

A black and white photograph of a large, multi-story stone building at Cornell University. The building features classical architectural elements such as arched windows, columns, and a prominent arched entrance on the right side. A large, leafy tree is on the left, partially obscuring the building. In the foreground, a paved walkway leads towards the entrance, where four students are walking. To the right of the walkway, a rack of bicycles is visible. The overall scene is bright and sunny, with shadows cast on the ground.

Cornell University Announcements

General Information



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1980-81

Cornell University Announcements

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Academic Year 1980–81

Registration

Fall term instruction begins

Fall recess:

Instruction suspended, 1:10 p.m.

Instruction resumed

Thanksgiving recess:

Instruction suspended, 1:10 p.m.

Instruction resumed

Fall term instruction ends, 5:00 p.m.

Final examinations begin

Final examinations end

Registration

Spring term instruction begins

Spring recess:

Instruction suspended, 1:10 p.m.

Instruction resumed

Spring term instruction ends, 1:10 p.m.

Final examinations begin

Final examinations end

Commencement

Thursday and Friday, August 28 and 29

Tuesday, September 2

Saturday, October 11

Wednesday, October 15

Wednesday, November 26

Monday, December 1

Wednesday, December 10

Saturday, December 13

Monday, December 22

Thursday and Friday, January 29 and 30

Monday, February 2

Saturday, March 28

Monday, April 6

Saturday, May 16

Tuesday, May 19

Thursday, May 28

Sunday, May 31

Summer Session 1981

Three-week session June 8–30

Eight-week session June 22–August 14

Six-week session July 1–August 14

In enacting this calendar, the University has scheduled classes on religious holidays. It is the intent of the University that students missing classes due to the observance of religious holidays be given ample opportunity to make up work.

The dates shown in the academic calendar are subject to change at any time by official action of Cornell University.

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Why Cornell?

Deciding where to go to college is not easy. One must weigh many things about each institution: its curriculum, faculty, special programs, requirements, cost, size, location, reputation. In this critical choice why should Cornell be especially attractive? What are its special nature and resources that should draw you here?

Diverse Curriculum and Programs

Cornell offers unusual variety and diversity. As an independent Ivy League institution and the land-grant university of the state of New York, Cornell has thirteen colleges and schools, of which four are state supported and nine privately endowed. On the Ithaca campus hundreds of subjects and courses of study are available covering a range that is rare on a single campus.

From its beginning in 1865, Cornell has been characterized as an institution unafraid to depart from conventional ideas. It was the first major American university to be both nonsectarian and coeducational and the first to declare itself for the elective idea and thus to offer its students a real choice of studies. It was never bound by the traditional curriculum and has adhered to founder Ezra Cornell's intention to "found an institution where any person can find instruction in any study."

Today, along with the pursuit of excellence in traditional subjects at Cornell, there is an acute awareness of current problems. Students and faculty in many segments of the University are

exploring such problems, and their efforts take shape in new fields, programs, and centers. There is, for example, the Peace Studies Program, the Rural Development Committee, and the International Population Program. The University has a variety of programs in international agriculture, nutrition, and economics and an interdisciplinary program on science, technology, and society. The Africana Studies and Research Center is concerned with such topics as Pan-Africanism, contemporary black ideologies, and people and movements in the black urban ghetto.

From the abundance of offerings available, the student enrolled at Cornell may choose a specialty and then supplement it with courses from other schools. For example, a student of anthropology in the College of Arts and Sciences may supplement the normal arts program by taking courses in the Division of Biological Sciences, the Division of Nutritional Sciences, and the College of Veterinary Medicine. The same is true of a premedical student, who, interested in mastering the intricacies of equipment he or she must use, may take courses in the College of Engineering.

Cornell is not a university of overwhelming size. The enrollment on the Ithaca campus is 16,700, with 11,900 undergraduate students and 4,800 graduate students. Since a student is enrolled in one school, he or she is a member of a smaller group while having available the diverse offerings of the University. The largest undergraduate unit at Cornell is the College of Arts and Sciences, with 3,700 enrolled; the smallest is the College of Architecture, Art, and Planning, which enrolls 400.





Outstanding Faculty

The outstanding faculty of Cornell number 1,800, including many who are recognized internationally as leaders in their fields. As Cornell is a major university, nearly all faculty members are actively involved in research and scholarship, extending the boundaries of human knowledge across the full range of academic endeavor. Active scholars bring special enthusiasm and perspective to their students and classrooms. Since the University has always assigned a high priority to the quality of its undergraduate programs, no distinction is made between the graduate and undergraduate faculty, and it is not uncommon to find department chairpersons teaching introductory courses and prominent scholars

offering courses for general enrollment. Here there is no need to choose between the gifted scholar and the dedicated teacher — most Cornell faculty members are both. The faculty routinely act as advisers and keep regular office hours, ensuring their accessibility to serious and interested students. The vitality and diversity of the Cornell faculty and programs also attract a constant succession of visiting lecturers and professors from other institutions.

Excellent Facilities

As a fine university, Cornell provides a variety of excellent academic and recreational facilities. A partial list of the academic facilities includes one of the ten largest academic library systems in the country, with more than four million volumes, excellent scientific laboratories and equipment, and a spectacular art museum. There are three student unions equipped for many kinds of social, cultural, recreational, and educational activities. Opportunity for extensive intercollegiate and intramural athletic participation is provided for men and women in the vast athletic facilities, including an indoor rink for ice hockey and skating, two competition-sized indoor pools, a championship golf course, intramural and varsity playing fields, squash courts, crew tanks, gymnasiums, and a riding hall for polo. These facilities for athletics, plus the many concerts, plays, lectures, movies, and other cultural events, provide a wealth of activities for all students on campus.

A Unique Setting

The physical aspects of the Cornell campus enrich the University experience. Situated on hills overlooking Cayuga Lake and covering 740 acres, the campus is considered one of the most beautiful in the United States. The original site has retained its splendor in a magnificent setting with two deep gorges and expansive views of the surrounding countryside. There are more than ninety major buildings on campus in a kaleidoscope of architectural styles, with new, often impressive, modern buildings placed comfortably beside distinguished older buildings.

Within a short drive are three unusually scenic state parks with facilities for hiking, boating, swimming, and camping; several ski areas; and an extensive system of Finger Lakes Trails for hiking. Ithaca itself is a small city of character and charm, located in the heart of the Finger Lakes region. You will find here the unusual combination of a cosmopolitan atmosphere in a rural setting.



A Special Spirit

Cornell offers all these tangibles. It also provides some equally important intangibles. This is an exciting and vital place; Cornell is not a complacent institution. It began as a renegade, combining liberal and practical studies and expanding the traditional curriculum, and it has had a continuing history of academic innovation. As times and needs change, Cornell adapts. Recent examples of such changes include the establishment of many new programs of study dictated by contemporary concerns, such as the Women's Studies Program and the Program in International Nutrition, the institution of the Freshman Seminar Program, changes in the grading procedures, and increased involvement of students in the policy- and decision-making processes through University committees. The real tradition is that of continuing dedication to self-improvement and to excellence in all that is undertaken.

Cornell encourages the spirit and practice of academic freedom. The University's educational aims and programs are based largely on student choice, a philosophy that has real meaning because of the existing variety and flexibility. The undergraduate programs permit a significant amount of sampling and exploring and encourage the selection of an area of interest and its pursuit in depth. This system does, of course, put great responsibility on the students — to become acquainted with available offerings and facilities and to choose wisely according to their needs and interests.

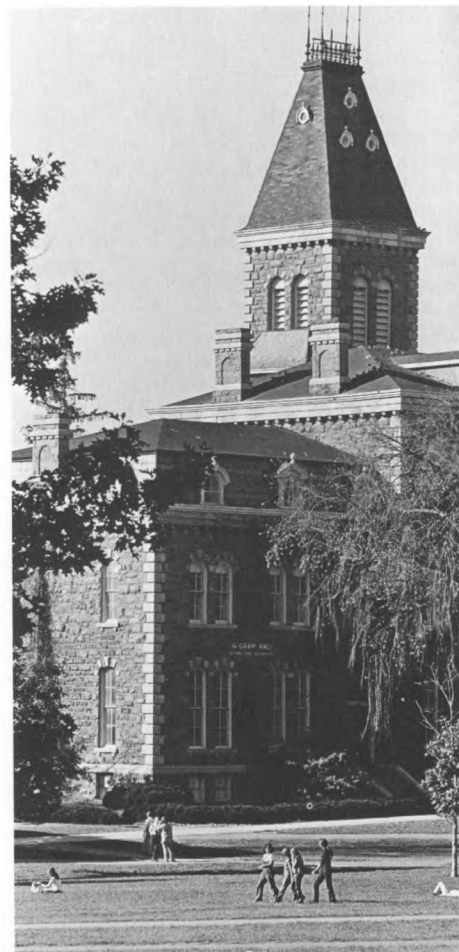
The effort is worthwhile, as the University is responsive to student initiative. For example, a mechanism has been established to incorporate student-initiated courses into the College of Arts and Sciences curriculum. And every day faculty, counselors, and administrators respond in less formal ways to student probes and suggestions.

Perhaps the single greatest advantage of an education at Cornell is the variety of talented individuals — faculty, scholars, and students — assembled in one place. They come from every state in the nation and scores of foreign countries, from public and private schools, from families rich and poor. Statistics cannot give an accurate picture of the range of individual personalities and abilities present. Such a cosmopolitan mixture leads to myriad informal, unplanned, and unpredictable associations and influences. There are few places indeed where one could spend undergraduate years surrounded by a more diverse and interesting group, on a physically more attractive campus, with such a multitude of resources, and in an atmosphere that allows so much freedom to explore, to test, to create, to mature.

Undergraduate Units

Undergraduate instruction is offered in the following schools and colleges:

	<i>Approximate Enrollment</i>
<i>State-supported</i>	
New York State College of Agriculture and Life Sciences	3,010
New York State College of Human Ecology	1,170
New York State School of Industrial and Labor Relations	640
<i>Privately supported</i>	
College of Architecture, Art, and Planning	390
College of Arts and Sciences	3,660
College of Engineering	2,270
School of Hotel Administration	640





New York State College of Agriculture and Life Sciences

The College of Agriculture and Life Sciences is the second largest of the schools and colleges within Cornell University. Its genesis goes back to the Land Grant College Act of 1862, providing for instruction related to agriculture and the mechanical arts, followed by the Hatch Act of 1887, authorizing agricultural experiment stations, and the Smith-Lever Act of 1914, establishing cooperative extension services. The land-grant philosophy, as it has evolved over the years, emphasizes student opportunity according to ability and without regard to financial means, a close interweaving of academic matters and practical life, a social consciousness leading to educational service in behalf of all people, and a meaningful relationship between teaching, research, and service.

The college has a clear and exciting mission: to increase our understanding of nature and natural processes in the areas of agricultural sciences, biology, protection of the environment, and development and effective use of natural and human resources; to educate citizens for leadership in these areas; and to translate new knowledge into action for the well-being and quality of life of the people, their agriculture, their resources, and the communities in which they live.

Few colleges in the world are so well equipped to participate in this challenging endeavor. The college has fourteen thousand acres for research and teaching, the second largest agricultural library in the world,

eighteen major buildings, greenhouses, its own forest, fishery and marine laboratories, experiment stations in Ithaca and Geneva, and research farms and field stations throughout the state. Computer facilities provide on-line communication with large data bases in many areas and access to both Telenet and Edunet worldwide computer networks. The laboratories provide opportunities for students to use equipment that is on the front line in research and experimentation.

The college has a distinguished faculty of about five hundred, many of whom are internationally recognized leaders in their fields. High priority is placed on excellence in classroom teaching and on updating curriculum content to reflect the rapidly expanding research developments. Most of the teaching faculty also have responsibilities in either research or extension; each professor is thus able to add a dimension of currentness to the course content.



Undergraduate programs. The undergraduate programs provide two potential paths for the student: technology and science. Through introductory and general courses in the physical, biological, and social sciences with applied courses in one or more areas of specialization, the technology pathway prepares students for employment related to their training and interests. Through introductory and general courses in the physical, biological, and social sciences with advanced courses in principles and theory, the science pathway prepares students for graduate study and research.

The curriculum emphasizes the biological and physical sciences. Students elect to study in one of nine major academic areas of the college:

- agricultural and biological engineering
- animal science
- applied economics and business management
- behavioral and social sciences
- biological sciences
- environmental studies
- food science
- plant sciences
- special programs and options

Within these major areas, the departments offer some fifty specializations and about four hundred courses for undergraduates.

Options for study are varied. By combining different areas of concentration within the college and augmenting that study with courses in other University divisions, students can develop a program of study suited to their own interests and career objectives. Several specialized intercollege programs are

available. Students in agricultural engineering may register in the College of Agriculture and Life Sciences for three years and in the College of Engineering for a fourth year. Students may combine study in the College of Agriculture and Life Sciences and the Graduate School of Business and Public Administration for a five-year master's degree program. Students completing preveterinary work in the college may by the end of their junior year qualify for admission to the College of Veterinary Medicine. Internships, work experience, and cooperative arrangements with industry can be arranged. The college offers several study-abroad programs in cooperation with universities in England, Ireland, Mexico, France, and Sweden.

Diverse opportunities for careers in business, industry, government, education, research, and commercial agriculture and for graduate and professional study exist for graduates of the college. All students are assigned a faculty adviser in their selected program area for help in program planning and career choice. Advisers, professional and student counselors, and career placement services all help students in making important choices for the future.

Graduate programs. Graduate programs are offered through the Graduate School of the University. Students enrolled in a field of study offered by the College of Agriculture and Life Sciences have an opportunity to select a minor field and take courses in any college at the University. Research is an important part of the graduate program.

The faculty and departments of the college offer advanced instruction leading to

degrees of Master of Arts, Master of Arts in Teaching, Master of Professional Studies (Agriculture), Master of Professional Studies (Communication Arts), Master of Science, Doctor of Education, and Doctor of Philosophy. Detailed information is available in the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Further information. Additional information about the college may be found in *Agriculture and Life Sciences at Cornell*, obtained by using the postcard at the back of this book; writing to Cornell University Announcements, Research Park, Ithaca, New York 14850; or writing to Admissions, College of Agriculture and Life Sciences, Cornell University, 195 Roberts Hall, Ithaca, New York 14853 (telephone: 607/256-2036).



College of Architecture, Art, and Planning

Architecture. Architects are continually assuming a wider range of responsibilities for problems of the built environment and for improving the habitat of people. The concerns of regional ecology, the application of the social sciences, the evolution of design philosophies and methodologies, and the emergence of new roles for the designer all present special challenges to architecture study and practice.

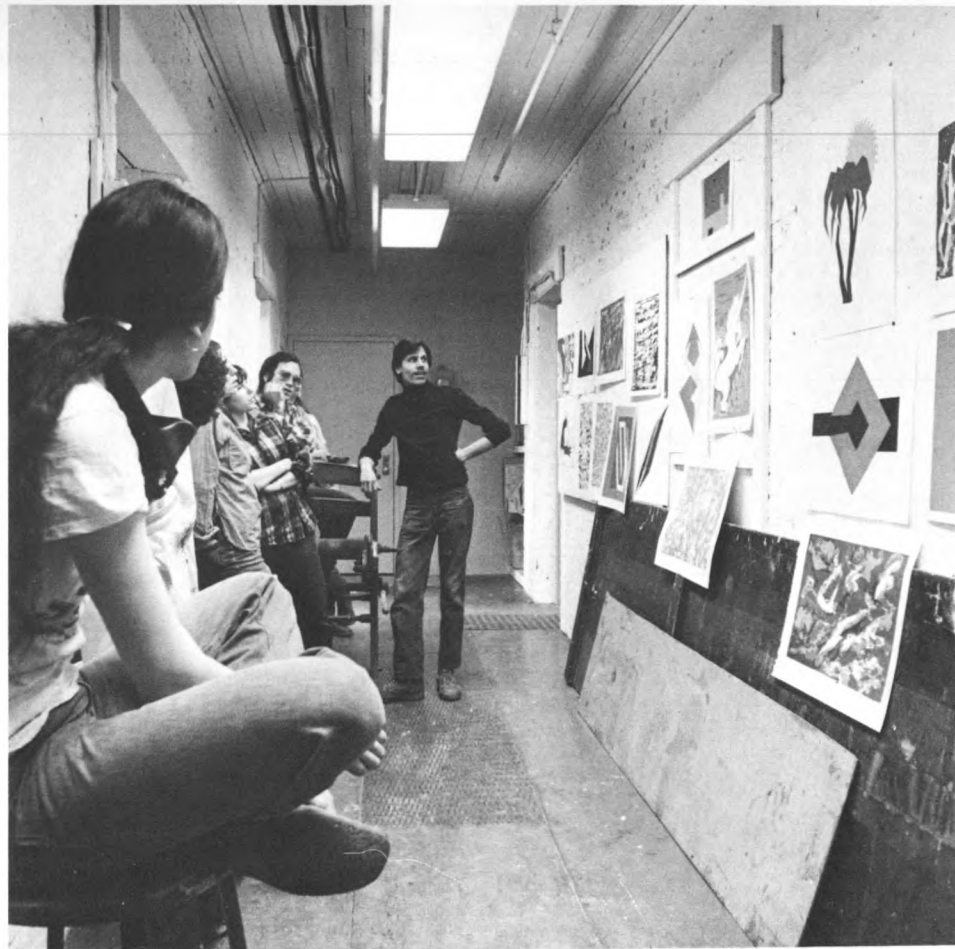
The College of Architecture, Art, and Planning is convinced that breadth is an essential element of undergraduate education, and the professional concentration of courses within the college, balanced by the wider view gained from study in other divisions, establishes a broad understanding of human values and social problems as well as the theoretical and technical base of professional competence. The professional courses themselves explore a wide range of architectural issues and scales of involvement and provide the opportunity to develop a particular emphasis that may become the basis for specialized studies at the graduate level.



The course of study leading to the degree Bachelor of Architecture normally requires five years. After a two-year introduction to the field, students may depart from the professional program and develop a concentration in some area of the broader discipline. There are two nonprofessional programs leading to degrees after four years of study. The program leading to the Bachelor of Fine Arts degree is offered in history of architecture and urban development and design communications; the program leading to the Bachelor of Science degree is offered in city and regional planning.

Through special planning of their fifth-year program, students in the professional architecture program may be able to complete the requirements for the first year of one of the two-year graduate programs offered in the college.

Art. The undergraduate curriculum in art, leading to the Bachelor of Fine Arts degree, provides an opportunity for students to combine a general liberal education with the studio concentration required for a professional degree. During the first year all students follow a common course of study designed to provide a broad introduction to the arts and a basis for the intensive studio experience in painting, sculpture, photography, and graphic arts of the last three years. Studio courses occupy approximately half the students' time during the four years; the remainder is devoted to a diversified program of academic subjects with a generous provision for electives. All faculty members of the Department of Art are active practicing artists whose work represents a broad range of expression.



For information on the Dual Degree Program, with the College of Arts and Sciences, see page 18.

Further information about undergraduate study in architecture, art, and planning is contained in the Announcement of the college, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Graduate programs. Through the Graduate School, the College of Architecture, Art, and Planning offers graduate-level programs in art, architectural design and urban and regional design, architectural sciences, history of architecture and urban development, preservation planning, city and regional planning and related programs, and landscape architecture.

For further information about these programs consult the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book, or contact the Office of the Dean, College of Architecture, Art, and Planning, Cornell University, Sibley Hall, Ithaca, New York 14853.



College of Arts and Sciences

The College of Arts and Sciences, located on the original site of the University, is the home of those departments that teach and study the subjects known collectively as the liberal arts. The aim of a liberal education, in the most general terms, is to give students the opportunity to develop their understanding of themselves and of the world about them by gaining familiarity with the different modes of thought reflected in the natural sciences, the social sciences, and the humanities. By studying the physical world, human behavior, the historical process, and the main achievements of intellect and imagination, and by writing frequently about these matters, students develop the power of creative thinking and the ability to write and speak well — skills essential for excellence in any career or profession.

The variety and richness of the curriculum is extraordinary. There are no courses that all students must take, and there are several hundred from which students may choose. Although students are ultimately responsible for their own education, each student is assigned both a faculty and a student adviser and has recourse to other sources of information and advice on campus and within the college itself. This help is offered, but not imposed, so that the student may construct an integrated and innovative program within the general pattern established by the college faculty.

The college requires its students to take two related courses in one subject chosen from

each of the following categories: (1) the physical or biological sciences, (2) the social sciences or history, and (3) the humanities or expressive arts. Students are also encouraged to study mathematics, but may instead choose an area not used to fulfill another requirement.

So that students may develop their skills in writing English prose, the college has developed a Freshman Seminar Program. This program ensures that every incoming student may experience the individual attention and informal discussion that small classes provide. Students may choose from more than a hundred seminars, offered by over twenty departments in the humanities and social sciences.

Foreign language study is another essential part of a liberal education, since it opens the way to the larger world and affords cultural perspective. Instruction is offered in approximately forty languages, including an unusually comprehensive offering in the languages of the Near and Far East. The college requires proficiency in one language or basic competence in two.

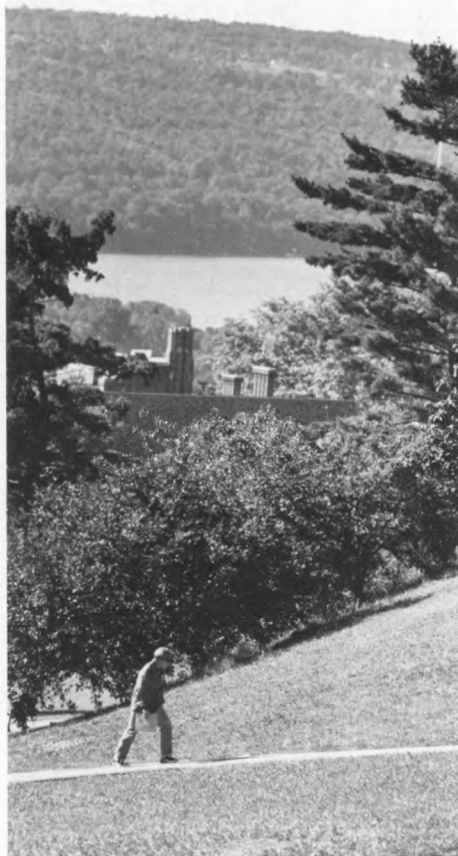
Many students find that their preparation has already carried them beyond the college requirements in one or more of these areas. It is important to remember that no single course is required of anyone and that the range and variety of courses ensures every student the freedom to develop an interesting, creative, and highly individual program.

In their last two years students devote roughly half their time to acquiring depth and competence in a major subject. The choice of a major is not intended to be the choice of a

lifetime's occupation, although it may become that. By selecting one field of interest, and bringing to bear the full extent of their imagination and intellect on something they care about, students develop initiative, critical skills, and flexible habits of mind that have wide-ranging application. Advanced students continue intellectual exploration by taking electives that are not part of the major but do form a coherent part of their program.

The college requires its students to take 120 credits (four or five courses each semester), of which 100 credits must be taken within the college. Students sometimes use the other credits to gain practical training by taking courses offered in other divisions of the University.

The faculty of the college includes some of the world's most distinguished scientists, scholars, and creative artists. They bring the excitement and perplexities of current research into the classroom. Students have opportunities to work with their professors on research projects and to discuss major issues both in and outside class. The spontaneous, unplanned opportunities for interaction among faculty, students, and visiting scholars in the College of Arts and Sciences can be one of the great advantages of a college education.



Fields of Study

The following list indicates the main aspects of each discipline as it is taught in the College of Arts and Sciences:

Anthropology — biologic, ecologic, and archaeological anthropology; theory; history

Archaeology — an interdisciplinary field coordinated by the Department of Anthropology

Asian studies — language, literature, religion, and culture of China, Japan, South Asia, and Southeast Asia

Astronomy — theoretical astrophysics, infrared and radio astronomy, planetary exploration programs



Biological sciences — biochemistry, botany, cell biology, ecology, physiology, neurobiology and behavior

Chemistry — bio-organic, inorganic, organic, and physical chemistry

Classics — Greek and Latin language and literature, classical civilization, archaeology

Comparative literature

Computer science — computation theory, numerical analysis, programming systems

Economics — comparative economics, industrial economics, growth, and development; history; money and banking; theory

English — creative and expository writing, English and American literature

Geological sciences — geophysics, geochemistry, tectonics

Government — American government and institutions, comparative governments, international relations, political theory

History — American history; Asian history; ancient, medieval, and modern European history; Latin American history; history of science

History of art — American art and architecture; ancient, medieval, and modern European art and architecture; oriental art

Mathematics — algebra, analysis, geometry and topology, probability

Modern languages, literatures, and linguistics — literature, language, and area courses in Chinese, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Russian, and Spanish; other languages taught include Akkadian, Arabic, Aramaic, Burmese, Cambodian, Cebuano (Bisayan), Dutch, Hindi-Urdu, Indonesian, Javanese, Pali, Polish, Portuguese, Quechua, Romanian, Sanskrit, Serbo-Croatian, Sinhala, Swahili, Tagalog, Tamil, Telugu, Thai, Ukrainian, and Vietnamese

Music — composition, history, performance, theory

Near Eastern studies — Rabbinic and modern Hebrew literature, Near Eastern and biblical archaeology, Islamics, languages, history of the Jewish people

Philosophy — history of philosophy (ancient, medieval, and modern); ethics; logic; social and political philosophy; philosophies of mathematics, science, and mind

Physics — all aspects of modern physics, including solid-state, low-temperature, and high-energy particle physics

Psychology — biopsychology, human experimental psychology, personality and social psychology

Sociology — American institutions and public policy, human society, personality and social psychology, population studies

Theater arts — acting, cinema, dance, directing, history, literature, theory, playwriting, production, and design

There are also a number of formally recognized areas of interdisciplinary study. These programs bring together faculty and students who share a common interest, and they identify course offerings throughout the University that are relevant to that interest. There are interdisciplinary programs in Africana studies; American studies; ancient Mediterranean studies; biology and society; China and Japan; the humanities; Jewish studies; law and society; medieval studies; religious studies; science, technology, and society; and women's studies.

The biology and society major is a multidisciplinary program for students with special interests in genetic engineering, environmental quality and management, the right to medical care, and the relation between science, society, and ethics, as well as for students who plan postgraduate study in health and medicine, law, and other fields. Further information, including specific course requirements and application procedures, may be obtained from the Program on Science, Technology, and Society, Cornell University, 632 Clark Hall, Ithaca, New York 14853.

Special Academic Options

The College of Arts and Sciences recognizes the great diversity of its students and the many different ways of learning by providing a number of academic options in addition to the traditional departmental majors and the interdisciplinary majors established by the faculty. The Independent Major and College Scholar programs afford opportunities for students to design a program of study tailored to interests that do not easily fit into one of the established majors. The Undergraduate Research Program enables students to undertake basic research as participants in faculty projects. The other programs described in the following paragraphs take advantage of resources outside the college, in other divisions of the University, and virtually anywhere in the world. All these options allow students to develop a program of study that is well adapted to their interests and goals. Further information about these programs may be obtained from the Office of Special Programs, College of Arts and Sciences, Cornell University, 159 Goldwin Smith Hall, Ithaca, New York 14853, or from the office noted in the description.

Independent Major Program. Some students in the College of Arts and Sciences want to major in an area that cuts across two or more departments and that is not a defined major. Such students may, with the help of faculty advisers, design their own major and submit it to the Independent Major Board for approval. Ordinarily, independent majors are approved during the second semester of their sophomore year.



College Scholar Program. The College Scholar Program offers selected students the freedom to design their own degree program without regard to the college's distribution and major requirements. The program is for students whose interests and talents do not easily fit into the established majors, who demonstrate exceptional promise, and who show the maturity to plan and carry out, with the help of their advisers, well-designed programs of studies. Students interested in being college scholars apply during the spring of their freshman year. Faculty legislation limits the program to forty students a year.

Undergraduate Research Program. The Undergraduate Research Program enables students to gain firsthand experience in scholarly research by participating in a faculty

member's project and to earn credit for their own work. The program emphasizes what the students will learn, rather than what they will contribute to the project, yet they sometimes make important contributions and publish the results of their work. Since the program is based on voluntary association of students and teachers, and since they consult together in advance, they can be sure of common interests and expectations. As a result the students who participate in the program almost invariably describe this experience as one of the most valuable in their own education.

Dual Degree Program. Students who want to acquire both a well-rounded liberal arts education and excellent professional training should consider the Dual Degree Program. Students in this program may register in the College of Arts and Sciences and in either the College of Engineering or the Department of Art in the College of Architecture, Art, and Planning. They earn two bachelor's degrees: a Bachelor of Arts degree and either a Bachelor of Science degree or a Bachelor of Fine Arts degree. Further information may be obtained from the Academic Advising Center, College of Arts and Sciences, Cornell University, 134 Goldwin Smith Hall, Ithaca, New York 14853.

Double Registration Program. Arts college students who have earned 105 credits before the start of their senior year may, if accepted by the Cornell Law School, the Cornell University Medical College, or the State University of New York Upstate Medical Center, register in both the College of Arts and Sciences and the professional school during

their seventh and eighth terms. The courses in medical school count toward completion of the Bachelor of Arts degree. Students must fulfill all requirements of the College of Arts and Sciences in order to receive their Bachelor of Arts degree at the end of their eighth term.

Off-campus study. Many students find it appropriate to their major or to their overall academic program to study abroad for one or two semesters. When it makes academic sense, the college encourages its students to study in absentia and grants credit toward the degree for work satisfactorily completed. The Career Center maintains up-to-date information on hundreds of programs all over the world. Advisers in the College of Arts and Sciences help students find the program best suited to their academic goals. During the summer months students may participate in one of several Cornell-sponsored archaeological investigations in Israel, Cyprus, and Greece. Some students find it useful to do fieldwork in conjunction with their major, and the new Cornell-in-Washington Program enables advanced students to take Cornell courses and to do supervised research during a term of residence in the capital.

Further Information

Students interested in the College of Arts and Sciences should request the Announcement of that college. Those interested in graduate study should consult the *Announcement of the Graduate School*. These may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



College of Engineering

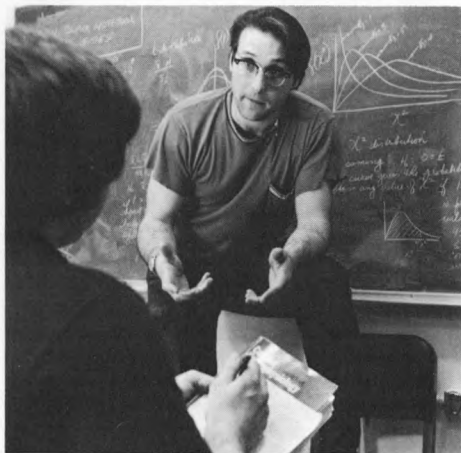
Engineering programs at Cornell prepare students for careers in technological areas and also for advanced work in a wide range of scientific, professional, business, and interdisciplinary fields.

The four-year program, which leads to the Bachelor of Science degree, provides a broad educational background as well as a foundation in science, mathematics, and engineering. Cornell also offers graduate programs in engineering and applied science leading to the professional degree of Master of Engineering in any of eleven fields of engineering, and to the general degrees of Master of Science and Doctor of Philosophy.

All undergraduate engineering students begin their college work in the Division of Basic Studies and then select a major in a particular area of engineering. Every curriculum includes at least 40 percent elective courses, some in liberal studies, some in technical subjects, and some unrestricted.

Among well-defined majors offered by the college are the following field programs:

- chemical engineering
- civil and environmental engineering
- computer science
- electrical engineering
- engineering physics
- geological sciences
- materials science and engineering
- mechanical engineering
- operations research and industrial engineering



A program in agricultural engineering is arranged by enrollment in the College of Agriculture and Life Sciences for the first three years and in the College of Engineering for the fourth year.

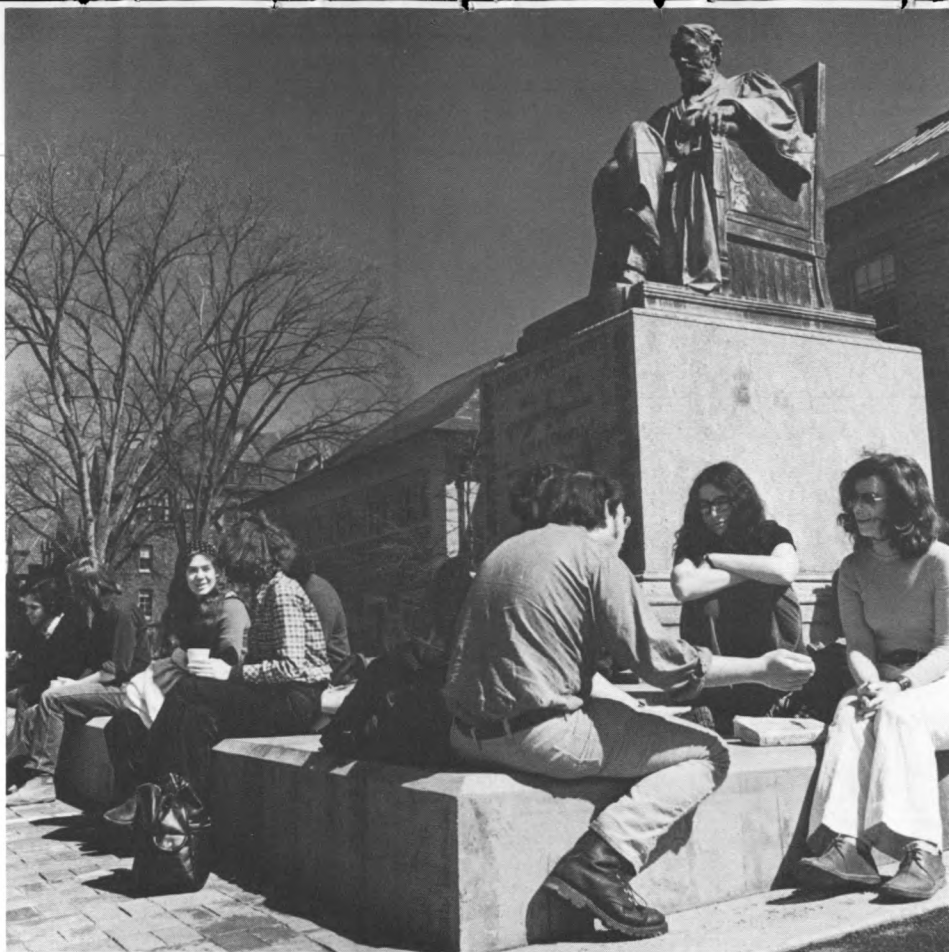
There is considerable opportunity for the development of individualized curricula within the field programs, and for students whose interests or career goals are not met by one of these programs, there is the additional option of an individually structured College Program. Students in the College Program may combine two engineering disciplines or augment their engineering education with study in such areas as the physical or social sciences, biology, architecture, city and regional planning, and ecology and conservation. Certain partially structured College Programs are sponsored by some of the engineering departments. These are in the areas of energy conversion, engineering science, environmental and public systems, and regional science.

Special programs available to engineering students include the Engineering Cooperative Program, which provides for periods of employment in industry during the undergraduate years without delaying graduation. Each student in this program gains valuable work experience with one of about fifty-five participating companies. Another special program provides financial aid and counseling services for minority group students. Also, there is an active plan to facilitate the entry of transfer students from two-year and other four-year colleges. For information on the Dual Degree Program, with the College of Arts and Sciences, see page 18.

After receiving the Bachelor of Science degree, many Cornell engineering students continue their studies at the graduate level. The largest number of students enter the college's Master of Engineering degree program, which offers curricula that are integrated with upperclass majors and so provides professional education in an overall five-year course of study. Other graduates enter general graduate degree programs in some branch of engineering or applied science through Cornell's Graduate School or at other universities. Some elect to prepare for careers in nonengineering fields such as business, education, law, and medicine.

The Master of Engineering (M.Eng.) degree, with field designation, is the professional engineering degree. It is designed primarily for those who want to practice an engineering specialty, but it also provides a practical base for further graduate study in Ph.D. programs in applied science and engineering. The M.Eng. degree may be taken in any of the following areas: aerospace, agricultural, chemical, civil, electrical, materials, mechanical, or nuclear engineering; operations research and industrial engineering; engineering mechanics; or engineering physics. For this degree a design project rather than a thesis is required.

Acceptance into the Master of Engineering degree program is generally accorded a baccalaureate graduate of the College of Engineering if the student has a cumulative grade-point average of at least 2.5. Graduates of schools other than Cornell must provide a transcript showing completion of an accredited engineering program or its equivalent, two letters of recommendation, and



a statement of academic purpose.

Application forms may be obtained by writing to Graduate Professional Engineering Programs, Cornell University, 323 Upson Hall, Ithaca, New York 14853.

The M.S.-Ph.D. degree program is organized into graduate fields of instruction. Fields that may be of interest to engineering students include aerospace engineering, agricultural engineering, applied mathematics, applied physics, chemical engineering, civil and environmental engineering, computer science, electrical engineering, geological sciences, materials science and engineering, mechanical engineering, nuclear science and engineering, operations research, theoretical and applied mechanics, and water resources.

A baccalaureate or equivalent degree from a college or university of recognized standing is required for admission into an M.S. or Ph.D. program. Application should be made through the Graduate School. In addition, it is advisable for a prospective student to correspond with the professor who is the graduate faculty representative in the subject area of interest.

More-detailed information about study in engineering is contained in publications of the University's Announcement series: *Description of Courses, Engineering at Cornell, Graduate Study in Engineering and Applied Science*, and the *Announcement of the Graduate School*. These publications may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



School of Hotel Administration

The School of Hotel Administration offers training in the numerous disciplines required for modern management, including accounting, finance, marketing, operations, and human resources development. The school's graduates hold executive positions in a variety of industries but are especially well represented in the management of hospitality-related enterprises, such as hotels, motels, condominiums, clubs, and restaurants.

Students are encouraged to pursue a broad range of courses, including those in the humanities, as preparation for assuming their place in the business community. All students are required to master a number of disciplines that, over the years, have proved essential to the proper training of a successful manager. Included in this basic curriculum are courses in financial management, food and beverage operations, administration, and physical plant management. The courses are technical, requiring a command of quantitative techniques, but they also present broad concepts applicable to the varied situations encountered in the commercial world.

The course of study covers four academic years and leads to the Bachelor of Science degree.

Students receive practical training through the operation of the Statler Inn, a practice hotel on the University campus containing rooms for transient guests, banquet facilities, service restaurants, and cafeterias. A successful work-study program also provides management internships for academic



credit in selected organizations away from the campus.

Graduate study in the school leads to the Master of Professional Studies (Hotel Administration), Master of Science, or Doctor of Philosophy degree. More-detailed information is available in the *Announcement of the School of Hotel Administration* and the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Requests for further information regarding the undergraduate program should be addressed to the Admissions Office, School of Hotel Administration, Cornell University, Statler Hall, Ithaca, New York 14853.





New York State College of Human Ecology

Students in the College of Human Ecology complete programs that lead to careers in human problem solving. Building on study in the traditional disciplines of the biological, physical, and social sciences and design, these programs investigate the mutual interaction of individuals and environments. Through analysis of the family, the community, and society, students of human ecology study fields of importance to contemporary life: nutrition and health, housing and environmental design, the consumer in the marketplace, human growth and development, the stability of the family, the effectiveness and efficiency of social service systems, and the impact of technology on human well-being.

The undergraduate curriculum leads to a Bachelor of Science degree in human ecology from Cornell University. While a considerable part of the curriculum involves course work in the college, students find that graduation requirements and elective opportunities take them into courses in other colleges of the University.

Undergraduates select from among eighteen areas of concentration grouped in six main areas:

Consumer economics and housing —
consumer economics, housing

Design and environmental analysis —
apparel design, interior and product design, textiles

Human development and family studies — cognitive, personality, and social development (from infancy through adolescence), family studies, atypical development

Human service studies — community and family life education, social work

Nutritional sciences — clinical nutrition, community nutrition, consumer food and nutrition, foods, nutritional biochemistry, dietetics

Social planning and public policy — an interdepartmental program

Students have until the end of the sophomore year to choose their area of concentration. An individualized curriculum is possible, but students seeking this avenue must have high commitment to a clear educational goal if this option is to serve them well.

There is ample opportunity to build a bachelor's degree program based on traditional concepts of liberal education combined with a program of study directed toward a specific professional career. A special quality of many of the college programs is that they require some study outside the traditional classroom, laboratory, and library setting of the campus. The college emphasizes field study as part of its commitment to provide students with a framework for developing a systematic understanding of social systems and problems.

Certain areas of concentration carry students directly along a professional career path. The College of Human Ecology has one

of the first accredited undergraduate social work programs. It also has a nationally recognized innovative course of study leading to certification in home economics teaching. Nutrition majors interested in dietetics can take a well-planned curriculum that fulfills the professional requirements of the American Dietetics Association.

Other areas of concentration are preprofessional, providing a basis for further education and training in such fields as biology and biochemistry, business and public administration, childhood education, clinical nutrition, clinical psychology, communication, community education, economics, environmental design and analysis, human development, law, medicine, psychopathology, public health, public policy, social work, sociology and social psychology, and textile chemistry.

The pragmatic student will find in human ecology a wide set of options and a broad education that the highly professional schools cannot provide. The student with clear career goals in business, education, public service, and research will find opportunities for purposeful study. Students who are less certain about their career path but who know they are interested in a liberal education that has a clear focus on human service will find human ecology an appropriate college choice.

As a college dedicated to training for problem solving in both the public and private sectors, the College of Human Ecology feels a special obligation to consider the outcomes of its educational programs in terms of career opportunities for its students. About half of its graduates go directly from graduation into the

work force. About a fourth go on to higher education. Fewer than 13 percent have not resolved their next career step by the fall after they graduate. A sampling of positions taken by graduates in the last five years tells a more characteristic story.

In the world of business and industry, graduates have held such jobs as consumer education specialist, financial analyst, public relations assistant, textile chemist, and pension administrator. In the field of education they have taken positions such as education research director, college counselor, cooperative extension agent, and college student life director. In government they have been hired to do service as therapeutic dietitian, youth division counselor, hospital drug researcher, public health counselor, and state personnel analyst.

Inquiries about the undergraduate programs may be addressed to the Director of Admissions, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.

Graduate study in the college, offered through all departments, leads to either the master's or the Ph.D. degree. Detailed information is available in the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book or writing to the Associate Dean for Graduate Education and Research, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.



New York State School of Industrial and Labor Relations

The School of Industrial and Labor Relations offers professional study for both undergraduate and graduate students. The curriculum is designed to prepare men and women for careers in personnel and union-management relations with business and industry, labor organizations, and state and federal government agencies. It also offers preparation for graduate study in the law, education, business, psychology, sociology, economics, history, political science, international affairs, and other fields concerned with contemporary social, economic, urban, and political problems.

To develop an understanding of modern industrial society, the curriculum provides a broad base in the social sciences and a core of course work in industrial and labor relations, complemented by general electives in the humanities. The freshman and sophomore years consist mainly of required courses, offered by the School of Industrial and Labor Relations and the College of Arts and Sciences. Upperclass students are free to pursue elective studies, about evenly divided between courses offered by this school and by other divisions of the University.

Undergraduates who work to prepare for graduate work in one of the basic social sciences may use out-of-school electives to establish an informal minor in business, communications, economics, government, history, psychology, or sociology. Advanced industrial and labor relations electives are

chosen from the offerings of the following departments in the school:

- collective bargaining, labor law, and labor history
- economics and social statistics
- international and comparative labor relations
- labor economics
- organizational behavior
- personnel and human resource management

Internships of varying lengths are available through the school during the academic year and in the summer. Students may confirm their interests in collective bargaining, legislative and policy formation, arbitration, education and training, union administration, personnel management, or research.

In recent years slightly more than half of the school's graduating class interviewed on campus for entry-level positions as labor relations specialists, personnel management trainees, and industrial relations assistants. Graduating students have located positions as union organizers, trainers, and researchers through networks of people familiar with the school and its graduates.

Undergraduate study leads to the Bachelor of Science degree, and graduate study leads to either the Master of Science or the Doctor of Philosophy degree.

Further information is contained in *ILR at Cornell* and *Graduate Study at ILR*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850; or to the Director of Admissions, Office of Resident Instruction, School of



Industrial and Labor Relations, Cornell University, 101 Ives Hall, Ithaca, New York 14853.

Graduate Units

Graduate study at Cornell is pursued through the Graduate School, which administers the many graduate fields of study, and through the various graduate professional schools and colleges.

The following schools and colleges require a baccalaureate degree for admission, except in a few special cases:

	<i>Approximate Enrollment</i>
Graduate School of Business and Public Administration	500
Graduate School	3,470
Law School	500
Medical College	440
Graduate School of Medical Sciences	120
New York State College of Veterinary Medicine	320

The Medical College and the Graduate School of Medical Sciences are located in New York City.

Graduate School

The graduate program at Cornell permits an unusual degree of accommodation to the needs and interests of the individual student. Degree requirements are kept to a minimum. There are no specific credit-hour requirements for the advanced degrees of Master of Arts, Master of Science, and Doctor of Philosophy but only general requirements that best accomplish the aim of graduate study: a period of study in residence, mastery of the major subject, adequate acquaintance with allied subjects, oral examinations to establish competency for presentation of a thesis, and a satisfactory thesis. Certain advanced professional degree programs have specific credit-hour requirements; these are announced by the faculty of the professional school or college offering the degrees.

A close working relationship with faculty is essential to the graduate program at Cornell. Under the Special Committee system the student is guided by and works with at least two or three faculty members, chosen by the student to represent his or her major and minor subjects. The major subject representative is the chairperson of the Special Committee and usually has the primary responsibility for directing the student's thesis research.

Students who want to use the University's facilities for intensive specialized training only and do not want to be degree candidates may apply for admission as non-degree candidates.

Requirements for admission. To be admitted to the Graduate School an applicant should —

1. hold a baccalaureate degree granted by a faculty or university of recognized standing or have completed studies equivalent to those required for a baccalaureate degree at Cornell;
2. have adequate preparation for graduate study in the chosen field of instruction;
3. have fluent command of the English language;
4. present evidence of promise in advanced study and research; and
5. have a combined score of 1200 in the aptitude tests of the Graduate Record Examinations for those fields that require the GRE.

Students from United States colleges and universities should be in the top third of their graduating class.

International students whose native language is not English must submit a score of at least 550 on the Test of English as a Foreign Language before admission can be finally approved. Exceptions may be made for those who have degrees from, or who have studied for at least two years in, universities located in countries where English is the primary language.

Applications for admission to the Graduate School may be submitted at any time during the year. Many fields, however, require that applicants for fall admission submit their completed applications by January 15.

Applicants who are also applying for fellowship consideration *must* submit their completed applications and supporting credentials by January 15.

Further information. Inquiries about admission and fellowships should be addressed to the Dean of the Graduate School, Cornell University, Sage Graduate Center, Ithaca, New York 14853.

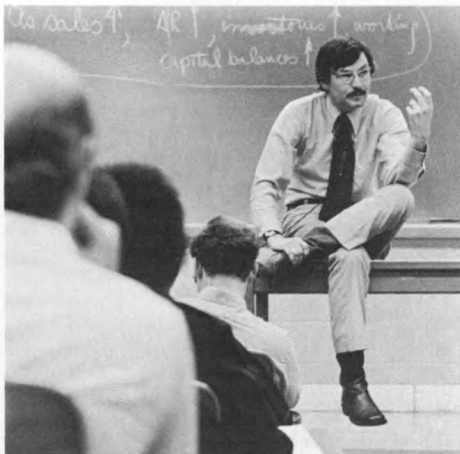
Inquiries about facilities for advanced study and research in a given field, special requirements for such study and research, and opportunities for teaching and research assistantships should be addressed to the graduate faculty representative in the particular field.

Information on admission requirements and courses of study for professional degrees may be obtained from the several schools and colleges that administer them.

Programs leading to the degrees of Doctor of Law (J.D.), Doctor of Medicine (M.D.), Doctor of Veterinary Medicine (D.V.M.), Master of Business Administration (M.B.A.), Master of Public Administration (M.P.A.), and Master of Professional Studies (Hospital and Health Services Administration) [M.P.S.(H.H.S.A.)] are not administered by the Graduate School. Information on those programs can be obtained from the Law School, the Medical College (New York City), the College of Veterinary Medicine, and the Graduate School of Business and Public Administration.

For further information see the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.





Graduate School of Business and Public Administration

The Graduate School of Business and Public Administration prepares men and women for managerial careers in private business, public service, and health care. The school offers course work in many disciplines to provide potential business, public, and health managers with an understanding of the complexities of the external environment in which they will operate and of the internal workings of the organizations they will join.

A bachelor's degree or its equivalent is required for admission to the two-year program leading to the Master of Business Administration (M.B.A.), Master of Public

Administration (M.P.A.), or Master of Professional Studies (Hospital and Health Services Administration) [M.P.S.(H.H.S.A.)] degree. The bachelor's degree program is designed for students who have not studied business at the undergraduate level. Slightly less than half the students begin their graduate training immediately after receiving their bachelor's degrees, and the remainder, after military or work experience.

There are combined degree programs for highly qualified students in the undergraduate divisions that allow them to register in the school during their senior year, earning a master's degree in less than the usual time.

The Doctor of Philosophy program, administered through the Graduate School, provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching and research.

More-detailed information about these programs is available in the *Announcement of the Graduate School of Business and Public Administration*, obtained by using the postcard at the back of this book. Application forms and the *Announcement* may also be obtained by writing to the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Cornell University, Malott Hall, Ithaca, New York 14853.





Law School

The primary function of the Law School is to prepare for both public and private practice attorneys who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

Ordinarily a student who is admitted to the Law School must have a baccalaureate degree from an approved college or university. The course of study leading to the degree of Doctor of Law (J.D.) covers three academic years. A limited number of students are

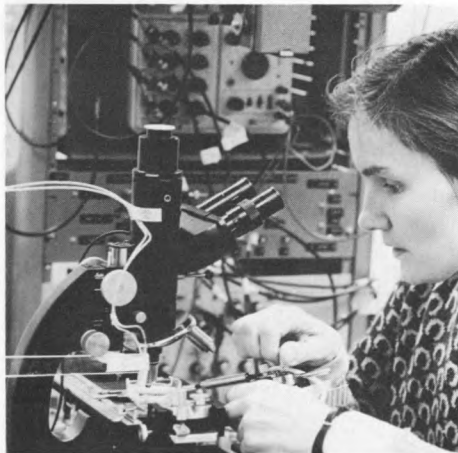


admitted to a program of study leading to the degree of Doctor of Law with specialization in international affairs.

There are combined graduate degree programs with the Graduate School of Business and Public Administration, the Department of City and Regional Planning of the College of Architecture, Art, and Planning, and the School of Industrial and Labor Relations, as well as a special opportunity for highly qualified undergraduates in the College of Arts and Sciences to register in the Law School during their senior year.

The graduate program of the Cornell Law School is a small one, to which only a few students are admitted each year. The LL.M. degree (Master of Laws, or Legum Magister) and the J.S.D. degree (Doctor of the Science of Law, or Jurisprudentiae Scientiae Doctor) are conferred. A small number of law graduates may also be admitted as special students, to pursue advanced legal studies without being degree candidates.

Requests for further information should be addressed to the Director of Admissions, Cornell Law School, Myron Taylor Hall, Ithaca, New York 14853.



Medical College

Cornell University Medical College is located at the center of a large complex of medical institutions involved in teaching, research, and treatment on the east side of Manhattan in New York City.

The Medical College offers a four-year course of professional instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must have completed at least three years of undergraduate study at approved universities, colleges, or scientific schools.

The first two years of the medical curriculum are devoted primarily to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, but a number of hours are reserved for the clinical sciences (approximately 10 percent of total time) and electives (20 percent of total time). In addition, several interdisciplinary and interdepartmental conferences are offered. The last two years concentrate on training in the clinical sciences of internal medicine, neurology, surgery, pediatrics, psychiatry, and obstetrics and gynecology. The fourth-year program consists of electives selected by the student.

The Cornell University Medical College is a component of the New York Hospital—Cornell Medical Center. In its teaching programs the Medical College is affiliated with and uses the clinical facilities of The New York Hospital, the Memorial Sloan-Kettering Cancer Center, the

Hospital for Special Surgery, and the North Shore University Hospital.

Requests for information should be addressed to the Chairman, Committee on Admissions, Cornell University Medical College, 411 East Sixty-ninth Street, New York, New York 10021.

Graduate School of Medical Sciences

The Graduate School of Medical Sciences offers programs leading to the degree of Doctor of Philosophy in biochemistry, biological structure and cell biology, biology, biomathematics, biophysics, genetics, microbiology, neurobiology and behavior, pathology, pharmacology, and physiology. The school also offers programs leading to the Master of Science degree in some of these fields. The faculty of the school is drawn from the basic science departments of Cornell University Medical College and from the units of its Sloan-Kettering Division. The research facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in the graduate programs of the school. Requests for information should be addressed to the Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

New York State College of Veterinary Medicine

The College of Veterinary Medicine offers a professional program that requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the animal body and the diagnosis, treatment, and prevention of animal disease.

Graduates of the college receive the Doctor of Veterinary Medicine (D.V.M.) degree, recognized by licensing boards throughout the world. Graduates generally enter private practice or become engaged in one of the increasing number of other biomedical activities.

Admission requires a minimum of three years of college work, including specific prerequisite courses and experience. In exceptional cases outstanding students who have completed all of the prerequisites in two years of undergraduate education may be considered for admission. Applications must be filed approximately a year before the proposed matriculation date. The competition for admission is keen since there are many more qualified applicants than can be admitted.

Postdoctoral training in pathology and clinical specialties is available to Doctors of Veterinary Medicine.

Graduate programs in veterinary and basic biological research that lead to the degrees of Master of Science, Doctor of Philosophy, and Doctor of Science in Veterinary Medicine are offered for Doctors of Veterinary Medicine and



highly qualified holders of baccalaureate degrees.

More-detailed information is contained in the *Announcement of the College of Veterinary Medicine*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



Divisions

Division of Biological Sciences

The Division of Biological Sciences provides a unified curriculum for undergraduate majors enrolled in either the College of Agriculture and Life Sciences or the College of Arts and Sciences. Courses in biological sciences are also an integral part of many disciplines today and a basic requirement for areas of study in many schools and colleges of Cornell.

The biological sciences program stresses the importance of a firm foundation in the basic sciences and prepares the student for a career in one of the many areas and applications of modern biology. Freshmen and sophomores in the process of completing the prerequisites may be admitted to the major on a provisional basis. Final admission to the major requires satisfactory performance in completing a year of introductory biology for majors, a year of general chemistry, a year of college mathematics (including at least a semester of calculus), and at least a semester of organic chemistry. In addition, a 2.75 Cornell cumulative grade-point average is required except for those students admitted directly to the major as freshmen or as transfers. A student is not encouraged to undertake a major in biological sciences unless performance in the above four subjects gives evidence of capacity to do superior work at a more advanced level.

Students accepted into the biological sciences major may choose one of the following concentration areas: animal physiology and anatomy; biochemistry; botany; cell biology; ecology, systematics, and

evolution; genetics and development; neurobiology and behavior; or an independent concentration designed by the student and approved by the Division of Biological Sciences Curriculum Committee. Students may choose instead to complete the Program in General Biology designed for those who do not want to concentrate in one particular area of biology.

A brochure describing the biological sciences specialization in more detail is available from the admission offices of the College of Agriculture and Life Sciences and the College of Arts and Sciences.

Graduate study in the biological sciences is administered by more than a dozen specialized fields within the Graduate School. More-detailed information about graduate study is contained in the *Announcement of the Graduate School*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Division of Nutritional Sciences

Cornell's Division of Nutritional Sciences brings together specialists from the biological and social sciences in an attempt to understand the complex relationship of food, diet, and health. The division, which bridges the College of Human Ecology and the College of Agriculture and Life Sciences, coordinates undergraduate teaching, cooperative extension services, and research programs covering many aspects of human nutrition.

Most undergraduate students who major in nutrition are admitted through the College of Human Ecology and must meet the admission and general graduation requirements of that college. Undergraduates in the College of Agriculture and Life Sciences may also major in nutrition through the general studies program.

Basic courses in the biological and physical sciences, social sciences, communications, and the humanities, as well as professional courses in nutritional science, are taken by all majors. This common core provides the foundation for five major emphases: community nutrition, clinical nutrition, nutritional biochemistry, foods, and consumer food and nutrition. It is possible to specialize in dietetics in any of these emphases.

Graduate study is administered by the graduate Field of Nutrition. In the M.S. and Ph.D. degree programs students may major in human nutrition, animal nutrition, international nutrition, nutritional biochemistry, food, or general nutrition. A professional Master of Nutritional Sciences (M.N.S.) degree in clinical nutrition combines academic study on campus with hospital training. The research interests of the faculty in the Field of Nutrition are broad, ranging from the intensive study of a single nutrient to the consideration of global food problems.

The undergraduate program is described more fully in the *Announcement of the College of Human Ecology*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



For more information about the graduate programs write for *Graduate Study in Nutrition*, available from the Graduate Faculty Representative, Field of Nutrition, Cornell University, Savage Hall, Ithaca, New York 14853.



Officer Education

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in officer education for more than a hundred years. Instruction is provided by the Department of Military Science (Army ROTC programs), the Department of Naval Science (Naval ROTC programs), and the Department of Aerospace Studies (Air Force ROTC programs).

Men and women have the opportunity, through these programs, to earn a commission while completing requirements for an academic degree. ROTC qualifies the student for service as an officer in the Army, Navy, Marine Corps, or Air Force and provides valuable managerial training for civilian or military careers. To obtain a commission in one of the armed services, a student must meet certain physical standards and complete the required course of study in a four-, three-, or two-year program. Upon graduation the student is commissioned and can expect to serve a required tour of active military service. Active-duty requirements vary significantly between services and programs. Certain qualified students may delay active duty to pursue graduate studies.

Participation in ROTC is voluntary. It is advisable, but not mandatory, for interested students to enroll in the fall of the freshman year since openings in the three- and two-year programs may be limited.

The two-year program is available to undergraduates who have two academic years remaining at Cornell and also to graduate students planning to spend two years at

Cornell as of the date of their enrollment. Students may be eligible for scholarships consisting of tuition, books, and a monthly subsistence allowance. Interested students should communicate with the appropriate ROTC department and apply for the two-year program no later than March 1 of the academic year preceding their desired enrollment date.

Further information is given in the *Announcement of Officer Education*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850. Details about the specific programs, including scholarships and active-duty requirements, may be obtained by writing to the commanding officer of the department concerned, Cornell University, Barton Hall, Ithaca, New York 14853.

Division of Summer Session, Extramural Courses, and Related Programs

The Division of Summer Session, Extramural Courses, and Related Programs provides a wide variety of educational opportunities beyond the degree-granting programs of the University. These programs encompass virtually all age groups and are conducted during the summer, the fall and spring semesters, and the January intersession.

Summer Session. Summer Session provides some unique and unusually attractive opportunities for study and recreation for students ranging in age from the high school senior to the senior citizen. With Ithaca weather at its best, summer study makes available the extensive academic and recreational facilities of the University and the Finger Lakes region. Students may choose from a wide spectrum of courses scheduled during three-week, six-week, and eight-week sessions, as well as dozens of special programs of varied lengths. Admission is kept relatively open and simple. Classes meet daily, and because they are usually small, a close association between student and teacher is facilitated.

Extramural courses. The extensive course offerings of the University are available to area residents on a part-time basis. Those interested may apply for admission to practically any course in the University and will be admitted if they receive the instructor's written approval. During the January

intersession period the division offers credit courses primarily for undergraduates but open to anyone. Among the courses offered in recent years have been study tours to England, the Soviet Union, and Costa Rica.

Continuing education. The Continuing Education Information Center provides free information, counseling, and referral to men and women who have been out of school for several years and want to resume their education. Anyone who wants to take courses, begin an undergraduate or graduate degree program, or complete an unfinished degree is welcome to use the services of the center.

The center provides information on all schools and departments of the University; opportunities for part-time and full-time study; special courses, workshops, and seminars; and community resources available to older students. A small library includes information on continuing education research, adult learning and development, educational opportunities at local institutions of higher learning, financial aid, work-study programs, and admission procedures.

The center also provides individual and group counseling; sponsors an organization for older students, Older, Wiser Learners (OWLS); and conducts workshops of special interest to mature students.

Cornell's Adult University. CAU (Cornell's Adult University) offers one-week noncredit academic courses on campus during the summer and off-campus weekend seminars during the fall and spring. Though originally conceived as a program for alumni, that concept has long since been abandoned in



favor of a concept of adult education. CAU is committed to the concept that learning never ends and that one of the roles of a great university is to provide a bridge between traditional, formal education and informal noncredit studies.

Conference Office. During the summer and, to a lesser extent, during the academic year Cornell's classrooms, libraries, recreational facilities, and residence halls are available for use by conference groups. Few conference locales offer such extensive facilities in an atmosphere so pleasant and so conducive to learning.

Interdisciplinary Programs and Centers of Study

Africana Studies and Research Center

Since its beginning in 1969, the Africana Studies and Research Center has grown steadily. It now has a faculty of twelve and offers twenty-four courses each semester.

The curricula for the undergraduate major and the graduate programs are specifically developed and taught by the faculty of the center. The course offerings are multidisciplinary and comparative, and they present a variety of subjects. Undergraduate students may major in Afro-American or African studies or a combination of both. All majors are required to take a prescribed number of core courses and a variety of electives in the focal areas of history, literature, the social sciences, and Swahili language and literature.

All courses offered by the center are approved for credit as electives in the College of Arts and Sciences. Therefore a student not majoring in the program may take center courses as electives to fulfill college distribution requirements.

The center encourages joint majors within the College of Arts and Sciences and with the Department of Human Service Studies in the College of Human Ecology in the areas of social work and adult and community education. The center's undergraduate faculty representative and the executive assistant to the director will assist students in the design and coordination of such a cooperative program.

For those students who display high-quality

academic performance, there is the choice of an honors program that allows the student an opportunity to conduct independent library research or to engage in a field project.

Graduate students engage in studies leading to a Master of Professional Studies (African, Afro-American), with either an African or an Afro-American specialty, or they may follow a more general program if they want to combine the two areas. Students in other graduate fields at the University may minor in Afro-American studies or African studies.

The center brings visiting lecturers to the campus, sponsors a lecture series as a forum for persons within the University, and has arranged study tours to Africa and the Caribbean.

Requests for additional information should be addressed to the Office of the Director, Africana Studies and Research Center, Cornell University, 310 Triphammer Road, Ithaca, New York 14850.

Center for International Studies

The major role of the Center for International Studies is to support and coordinate Cornell's teaching and research programs in international and comparative studies. The center functions through a structured network of faculty committees organized on a multidisciplinary basis and clustered in area studies programs, professional programs, and problem-solving programs.

The areas covered in the area studies programs are China and Japan, Latin America,

South Asia, Southeast Asia, and the Soviet Union. Professional programs investigate international agriculture, international law, and international and comparative labor relations. Problem-solving programs, which examine substantive policy issues cutting across area and professional concerns, are in the areas of international population; international nutrition; international studies in planning; participation and labor-managed systems; peace studies; rural development; science, technology, and development; and Western societies. The center also sponsors the Field of International Development, a program of graduate studies leading to a professional master's degree.

Students interested in international or comparative studies will find that the flexibility of Cornell's undergraduate and graduate requirements permits considerable latitude in selecting subjects. Appropriate courses of study may be chosen from the regular offerings of the schools and colleges of the University. Further information about the center and its associated programs may be obtained from the Center for International Studies, Cornell University, 170 Uris Hall, Ithaca, New York 14853.

Program on Science, Technology, and Society

The Program on Science, Technology, and Society (STS) is an interdisciplinary unit that promotes teaching and research on the interactions of science and technology with political and social institutions. The program

draws its students, faculty, and research staff from departments in all colleges of the University. Topics of special concern include science, technology, and public policy; biology and society; technology assessment; citizen participation in technical decision making; arms control and national defense policies; energy policy; environmental policy and ethics; and biomedical ethics. These and other subjects are studied through courses, graduate and faculty seminars, workshops, and research projects.

In cooperation with University academic departments and centers, STS participates in the development of interdisciplinary courses at both the graduate and the undergraduate levels. Courses developed by the program are designed to both synthesize and contrast the perspectives of several academic disciplines in the analysis of relationships among science, technology, and the needs, values, and institutions of modern societies. The program participates in the undergraduate biology and society major in the College of Arts and Sciences and offers a science policy "stream" within the graduate minor Field of Public Policy. A new peace studies minor is also available.

Further information may be obtained by contacting the Program on Science, Technology, and Society, Cornell University, 632 Clark Hall, Ithaca, New York 14853.

Women's Studies Program

The Women's Studies Program, in the College of Arts and Sciences, has three goals: to encourage the development of teaching about women and sex roles for women and men; to examine assumptions about women in various disciplines and develop, systematize, and integrate into these disciplines new knowledge about women; and to cooperate in public service activities with the extension division of the University. Each term the program offers undergraduate and graduate courses, both independently and in cooperation with other departments. Students in the College of Arts and Sciences who want to major in women's studies can design their own major through the College Scholar or Independent Major Program.

Any graduate student in the University may elect a women's studies minor. The program usually sponsors a biweekly noncredit seminar for students and faculty to facilitate sharing of knowledge across disciplinary lines.

The program is guided by a board composed of faculty and students at Cornell and members of the Cornell and Ithaca communities who have an intellectual interest in women's studies. Each Friday noon during the academic year the program sponsors public lectures dealing with social, political, and intellectual issues in women's studies.

Business and Preprofessional Study

Undergraduate Business Study

Undergraduate preparation for business is found in many schools and colleges at Cornell. Students most frequently take courses in more than one area, as well as in related fields, to construct a program to suit their interests and career objectives. Each of the following areas provides a different focus for application and use of business study and training, and students should consider carefully the implications of each program when making a choice. (Graduate study is available in the Graduate School of Business and Public Administration as well as in graduate fields following each of the undergraduate options.)



The areas most often pursued include applied economics and business management (College of Agriculture and Life Sciences), economics (College of Arts and Sciences), engineering, hotel administration, consumer economics and housing (College of Human Ecology), and industrial and labor relations.

Applied economics and business

management. Economics, marketing, finance, public affairs management, food industry management, resource management, and distribution processes are examples of specific areas available. There is more emphasis on the application of these areas than on the theoretical aspects of economic theory and money, currency, and banking. (These subjects would be more easily pursued in the Department of Economics.) Instruction is appropriate for both agricultural and nonagricultural use.

Economics. This program provides a broad view of that social science concerned with the description and analysis of the production, distribution, and consumption of goods and services, the understanding of monetary systems, and the comprehension of economic theories and models. It is viewed more often as preprofessional than as training for immediate practice in business or economics.

Engineering. This area provides much of the management personnel of modern industry. Engineers frequently climb the ladders of technological management, which lead to more general management responsibilities; more than half of the management-level personnel of major corporations such as

General Electric, Xerox, IBM, and Du Pont have engineering degrees. In addition to becoming managers by being effective technical supervisors, many students enter engineering explicitly anticipating graduate business education, judging that an engineering background is particularly appropriate for management in a technology-oriented society.

Study in operations research and industrial engineering is particularly appropriate for those anticipating a business management career. The curriculum focuses on the design of integrated, cost-effective systems of people, materials, and equipment for manufacturing industries, public and private service organizations, and consulting firms.

Hotel administration. This undergraduate program provides managers for the hospitality industry. Capability for management of motels, hotels, condominiums, restaurants, clubs, hospitals, and land and facility development is developed through instruction in personnel and general administration, financial management, food and beverage service, and communications. Students interested in the School of Hotel Administration must have developed an explicit awareness of and commitment to this area through work experience, reading, study, and discussions with industry representatives.

Consumer economics and housing. The focus is on the economic behavior and welfare of consumers in the private, public, and mixed sectors of the economy. There is an option for special concentration on housing. Study aims at an understanding of economics, sociology,

and government policy as they apply to consumer problems.

Industrial and labor relations. The world of work, especially the employee-employer relationship in the broadest sense, including the political, social, and economic forces affecting that relationship, are studied. Graduates can pursue immediate employment in industry, government, and labor organizations or choose graduate study in industrial and labor relations or such related fields as law and business and public administration.

Related Areas

Courses in areas directly related to these business programs are found in many of the University departments. For example, quantitative methods may be studied in the Departments of Mathematics and Computer Science, and courses in public administration are found in the Departments of Government and City and Regional Planning. There are additional programs that allow students with an interest in business to focus on a particular geographic area. Examples are the Latin American Studies Program, the South Asia Program, and the Africana Studies and Research Center. Such interdisciplinary programs as the Program on Science, Technology, and Society and the various programs in international agriculture provide additional opportunities for study of interest to business students.

Combined Degree Programs

Because Cornell has the Graduate School of Business and Public Administration, special opportunities exist here for highly qualified undergraduates to combine their undergraduate programs with graduate study in that school. Students in the double-registrant program generally receive a bachelor's degree after four years of study and a Master of Business Administration, Master of Public Administration, or Master of Professional Studies (Hospital and Health Services Administration) degree after the fifth year of study, rather than the normal sixth year. Students in all Cornell undergraduate colleges and schools are eligible to explore this option. There is also a program with the College of Engineering that allows qualified students to earn a B.S., M.B.A., and Master of Engineering in six years. Admission to these combined degree programs is limited to particularly promising applicants. Careful planning is required for successful integration of the work in the two areas.

Prelaw Study

Law schools do not prescribe any particular prelaw program; nor do they require any specific undergraduate courses, as do medical schools. Law touches nearly every phase of human activity, and there is practically no subject that can be considered to be of no value to the lawyer and no undergraduate course of study that can be judged as totally inappropriate. Prelaw students should, however, be guided by certain principles when selecting college courses.

1. Interest encourages scholarship, and students will derive the greatest benefit from those studies that stimulate their interest.



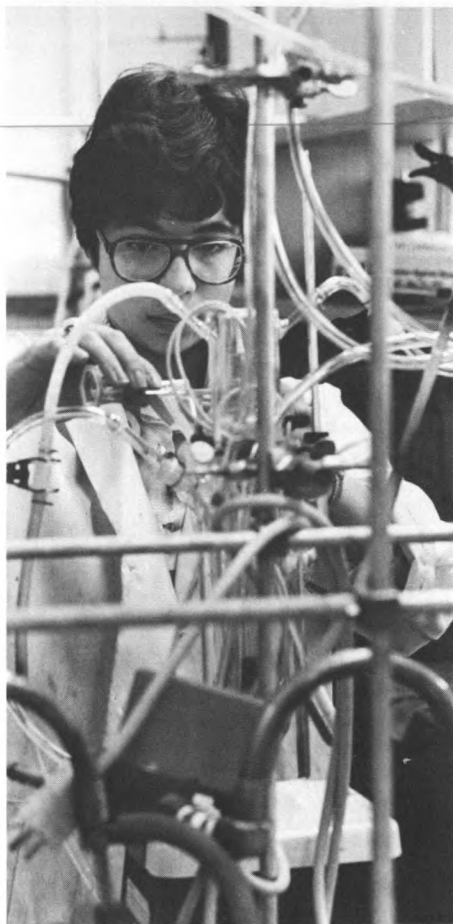
2. Of first importance to the lawyer is the ability to express thoughts clearly and cogently, in both speech and writing. Courses in the Freshman Seminar Program, required of nearly all Cornell freshmen, are designed to develop these skills. English literature and composition and communication arts courses also serve this purpose. Logic and mathematics develop exactness of thought. Also of value are economics, history, government, and sociology, because of their close relation to law and their influence on its development; ethics, because of its kinship to guiding legal principles; and philosophy, because of the influence of philosophic reasoning on legal reasoning and jurisprudence. Psychology leads to an understanding of human nature and mental behavior. Some knowledge of the principles of accounting and of the sciences, such as chemistry, physics, biology, and engineering, is recommended and will prove of practical value to the lawyer in general practice in the modern world.

3. Cultural subjects, though they may have no direct bearing on law or a legal career, will expand students' interests, help cultivate a wider appreciation of literature, art, and music, and make better educated and well-rounded persons.

4. Certain subjects are especially useful in specialized legal careers. For some a broad scientific background — for example, in agriculture, chemistry, physics, or engineering — when coupled with training in law, may furnish qualifications necessary for specialized work with the government, for

counseling certain types of businesses, or for a career as a patent lawyer. A business background may be helpful for those planning to specialize in corporate or tax practice. Students who anticipate practice involving labor law and legislation might consider undergraduate study in the School of Industrial and Labor Relations. Whatever course of study is chosen, the important tasks are to acquire perspective, social awareness, and a critical cast of mind; to develop the ability to think logically and analytically; and to express thoughts clearly and forcefully. These are the crucial tools for a sound legal education and successful career.

The presence of the Cornell Law School on campus provides the opportunity for a limited number of highly qualified undergraduates registered in the College of Arts and Sciences at the University to be admitted to the Law School. At the time of entry they must have completed 105 of the 120 credits required for the Bachelor of Arts degree, including 92 credits of course work in the College of Arts and Sciences.



Premedical Study

Medical and dental schools, while not requiring any particular major course of study, do require that a certain selection of undergraduate courses be completed. These courses include a year of general chemistry and a year of organic chemistry, a year of biology, a year of physics, a year of mathematics, and a year of English composition or a Freshman Seminar. In addition, those premedical students who elect a nonscience major are advised to take at least one advanced biological science course, such as genetics, embryology, histology, or physiology.

There is no major program that is the best for those considering medical or dental school, and students are therefore encouraged to pursue their own intellectual interests. Students are more likely to succeed at and benefit from subjects that interest and stimulate them, and there is no evidence that medical colleges give special consideration to any particular undergraduate training beyond completion of the required courses. In the past at Cornell most successful applicants to medical and dental schools have been enrolled primarily in the Colleges of Arts and Sciences and Agriculture and Life Sciences, with some also in the Colleges of Engineering and Human Ecology. The appropriate choice depends to a great extent on the student's other interests.

Qualified students in the Colleges of Agriculture and Life Sciences and Arts and Sciences may apply for acceptance into a dual registration program arranged between Cornell University and the Upstate College of Medicine at Syracuse. Students from these two colleges and the College of Human Ecology are eligible for a similar program arranged with the Cornell University Medical College in New York City. Both programs allow registered students to save one year in pursuit of the bachelor's and M.D. degrees. Further information about these programs is available from the Health Careers Program Office at the Career Center, Cornell University, 14 East Avenue, Ithaca, New York 14853.



Preveterinary Study

There is no specific preveterinary program at Cornell, and students interested in veterinary medicine as a career should select an area for study that fits their interests while at the same time meeting the entrance requirements for veterinary college listed below. Most preveterinary students enroll in the College of Agriculture and Life Sciences. However, because of the statutory nature of that college, out-of-state applicants find it extremely difficult to gain acceptance into its biological sciences or animal sciences program. These and other students, because of their secondary interests or desire for a broader undergraduate curriculum, often enter other

divisions of the University, especially the College of Arts and Sciences.

The college-level prerequisite courses for admission to the New York State College of Veterinary Medicine at Cornell are one year each of English, biology, physics, and general chemistry; six credits of organic chemistry; four credits of biochemistry; and three credits of microbiology. All science courses must include a laboratory. The college also requires demonstrated proficiency in written and spoken English and encourages college-level work in mathematics. These requirements, necessary for admission to Cornell's College of Veterinary Medicine, may vary slightly at other veterinary colleges.

For information on additional preparation, including work experience and necessary examinations, students should consult the *Announcement of the College of Veterinary Medicine*, obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



University Requirement in Physical Education

As part of the normal course of study leading to a baccalaureate degree, the University Faculty has established a requirement in physical education that must be met by all students unless they are specifically exempted (see below).

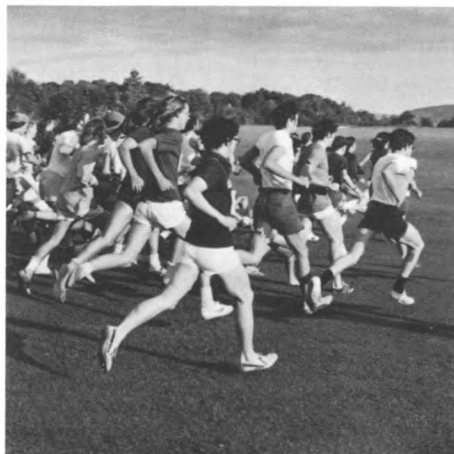
For students admitted as freshmen in 1978 or thereafter (the class of 1982 or later), two terms of physical education are required and should be completed during the freshman year. For students admitted as freshmen before 1978 or as transfers with advanced standing (the classes of 1981 or earlier), four terms are required and should be taken in the freshman and sophomore years.

For a student admitted with advanced standing, the required number of terms of

physical education is reduced by the number of terms that the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

The University requirement in physical education is met by satisfactory work in courses under the supervision of the Department of Physical Education and Athletics. This department will make available to entering students publications describing the courses offered. The requirement can also be satisfied by participation in the marching band or in intercollegiate athletics for the equivalent number of semesters. Whether by such activities or by taking courses, only one credit toward satisfying the University requirement can be earned in a single term, and none are given for activities or courses taken during the summer.

Exemptions from the requirement may be granted by the University Faculty Committee on Physical Education when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted. Entering students who believe that they qualify for exemption or for postponement of the fulfillment of the requirement beyond their first year should present their cases to the committee through its chairperson or the dean of the University Faculty.



University Libraries

The Cornell University library system ranks among the largest major academic libraries in the United States. The extensive system of college, school, and department libraries contains well over four million volumes and more than a million and a half microforms and currently subscribes to fifty-two thousand periodicals. Together these libraries provide the facilities for research and study in hundreds of undergraduate major subject areas and in more than eighty-five fields of study for advanced degrees.

At the south end of the Arts Quad is Uris Library, the building with the tower that has become the symbol of Cornell. It is essentially an undergraduate library for students in the liberal arts. A principal aim of this library is to

bring readers and books as close together as possible. Bookstacks are open to all, and only reserve books in heavy demand are held in a special category. There are listening rooms where students, singly or in groups, may hear recordings of the spoken word, and there is a lecture room with sound and projection capabilities.

Across the walk from Uris is the John M. Olin Library, devoted more specifically to graduate and faculty research, especially in the liberal arts. This closed-stack library houses many special collections of books and manuscripts, among them Rare Books, a collection on East and Southeast Asia, and a collection on the history of science; the archives of the University; maps; and newspapers.

The two libraries, Uris and Olin, complement each other in support of the University's program of teaching and scholarship. Besides this central facility, there is an extensive system of college, school, and department libraries. Chief among these are the Albert R. Mann Library, serving the Colleges of Agriculture and Life Sciences and Human Ecology; the Fine Arts Library, serving the College of Architecture, Art, and Planning; the libraries of the College of Engineering and the New York State College of Veterinary Medicine; and the libraries serving the Graduate School of Business and Public Administration, the Law School, the School of Hotel Administration, and the New York State School of Industrial and Labor Relations.

All the libraries are open long hours, some of them until midnight. Most have copying services, and some distribute handbooks and bibliographies without charge.





University Life

Social and Cultural Activities

It is difficult to characterize the climate of extracurricular life at Cornell. As with many other things at the University, an appealing aspect is the diversity. For those at Cornell with interests in particular fields, there are more than four hundred organized groups that include students, faculty, and staff in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor. If an interest group does not now exist, like-minded persons may readily establish one.

Music. Students who want to participate in music making will find a wide range of opportunity through the Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University orchestras and bands, chamber music ensembles, the Opera Workshop, the Collegium Musicum, and the Indonesian Gamelan Ensemble.

The University Faculty Committee on Music sponsors programs by visiting soloists and major orchestras in the Bailey Hall Concert Series, string quartets and other groups in the Statler Series at Alice Statler Auditorium, and occasional operas, ballets, and special events. Several times each month the Department of Music sponsors free concerts and lectures by visiting artists or by Cornell faculty and students, primarily in Barnes Hall Auditorium.

The Cornell Concert Commission offers a series of student-produced popular rock, folk, soul, and jazz concerts. Other student organizations have regular performances of Gilbert and Sullivan operettas, jazz, and folk music. Local bluegrass and folk performers are featured in informal concerts in the Commons, a coffeehouse in Anabel Taylor Hall.

Theater. Cornell students have numerous opportunities to attend or participate in theatrical productions.

Under the sponsorship and general supervision of the Department of Theatre Arts, Theatre Cornell presents a full season of classical, modern, and experimental dramas. These productions include guest professionals, graduate actors, designers, and directors from the department's professional training program as well as undergraduate majors. All students in the University who are interested in participating in theater in any capacity are eligible to audition for these productions. Auditions are held twice a year. The department also has, in its studio theater, a more informal production program, directed, acted, designed, and managed entirely by students. Staffing and casting for these events take place throughout the year.

Other theatrical opportunities can be found at Risley Residential College, which has a small theater available for student productions; with the Cornell Savoyards, who produce two Gilbert and Sullivan operettas annually; and within the Ithaca community, which has several theater groups that mount various productions during the year.



Dance. The dance division of the Department of Theatre Arts sponsors a range of possibilities for students interested in dance. Informal and formal dance programs are presented through the year by student dancers and choreographers. In the spring a dance concert presents works by guest, faculty, and student choreographers. The division also sponsors a series of performances by touring professional dance companies during the year. The Ithaca community includes several studios that present workshops and performances in a wide range of dance forms.

Art exhibitions. Cornell is generously supplied with art exhibitions, some permanent and some temporary. The displays range from the works of students and visiting collections to the permanent University collection housed at the Herbert F. Johnson Museum of Art. Other campus locations for art displays include the Art Room in the Straight, the Fine Arts Gallery in Sibley Hall, and the galleries in Goldwin Smith Hall, Martha Van Rensselaer Hall, and Franklin Hall.

Lectures. On the more academic side of audience entertainment, there is the lecture. Dozens of extracurricular lectures are given every week, ranging from scholarly presentations on subjects of narrow interest to well-known speakers with campuswide appeal.

Films. Cornell does not disappoint the film goer. Throughout the year and on almost every night of the week, single film showings and film series make available educational and

entertaining films at reduced rates. In addition, there are a half-dozen commercial theaters in Ithaca itself, making movie going among the most popular leisure-time activities.

Students interested in producing their own films may participate in the filmmaking program sponsored by the Department of Theatre Arts.

Publications. Cornell students edit and publish a wide variety of publications, including a yearbook, literary magazines, and a number of magazines relating to special fields of interest, such as the *Cornell Engineer*, the *Cornell Countryman*, and the *Cornell Law Review*. Cornell students are in complete charge of the publication of the *Cornell Daily Sun*, an independent daily newspaper.

Athletics

At Cornell athletics are designed to encourage the participation of every able and interested student in either varsity sports or the extensive intramural program. Cornell supports one of the largest intercollegiate athletics programs for men and women in the country and belongs to the Ivy League. There is intercollegiate competition for men in baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, lightweight football, golf, gymnastics, hockey, lacrosse, polo, rifle, sailing, skiing, soccer, squash, swimming, tennis, track, and wrestling.

Cornell fields seventeen intercollegiate women's teams, more than any other college or university in New York State. The women's athletics program, one of the largest in the nation, includes basketball, bowling, crew, cross-country, fencing, field hockey, gymnastics, ice hockey, lacrosse, polo, sailing, skiing, swimming, synchronized swimming, tennis, track, and volleyball.

Needless to say, one can enjoy these intercollegiate athletics programs not only as a participant but also as a spectator.

Cornell's extensive intramural program gives students the chance to exercise and enjoy whatever athletic skills and interests they may have. This program (also one of the largest of its kind in the country) has unusual variety that includes sailing, box lacrosse, broomstick polo, and horseshoes, in addition to the more usual sports, such as touch football and softball.

In all, Cornell offers 170 leagues — men, women, and combined — in twenty-one sports, covering all levels of play. Last year some 23,000 contestants participated in the independent, dormitory, graduate, and women's intramural divisions.





In addition, there are smaller governing and coordinating bodies that have an important influence in determining University policies and practices. Such student participation is made possible through groups representing residence units, school and college groups, and various special bodies.

Fraternities and Sororities

For many students fraternity or sorority life is an integral part of the Cornell experience. There are currently fifty fraternities at the University with about 2,800 students, or 40 percent of the male undergraduate students, as members. There are twelve sororities, with approximately 900 students, or 20 percent of the woman students, as members. Each chapter has its own flavor and environment.

As one of the largest systems in the country, diversity is the key to its continuing growth. While satisfying room and board needs, fraternities and sororities provide, in addition to friendships, opportunities for leadership and personal growth. Most of the fraternity chapters are members of the Interfraternity Council, a student-run board that oversees the many programs associated with fraternities. The Cornell Panhellenic Council is the governing body for the sorority system.

Campus Governance

The Cornell Campus Council provides for the discussion of campus issues, examines matters of campus interest, oversees the judicial system, and maintains a system of committees with policymaking authority in nonacademic affairs. This system provides for participation in decision making for students, faculty, and employees in areas such as student life and activities, unions, dining, residence life, religious affairs, and health services. The Campus Council consists of seven students, seven faculty members, three employees, and five ex officio members. Further information may be obtained from the Council Office, Cornell University, 133 Day Hall, Ithaca, New York 14853.





University Unions

There are three University unions at Cornell: Willard Straight Hall, the oldest, the largest, and the most centrally located; Noyes Center, located in the west campus residential area on Stewart Avenue; and the North Campus Union, in the residence hall complex between Pleasant Grove and North Triphammer roads.

These unions serve as gathering points and centers for social, cultural, recreational, and educational activities for all Cornell students. A partial list of available union facilities includes large rooms for dances, receptions, and other social gatherings; a theater; billiard and game rooms; craft shops that offer lessons in such skills as ceramics, weaving, metal craft, and

printing; music listening rooms; meeting rooms and offices for student organizations; and photographic darkrooms. Among the many special services available to students are a central ticket office, a painting and record rental service, a duplicating service, and a travel office. All University unions offer a variety of dining services, ranging from a snack bar, cafeteria, and private dining room to a pub and tavern.

The Department of University Unions also sponsors Cornell Cinema, the campus film program; the Cornell Concert Commission, which produces popular concerts; the University Unions Program Board, which presents lectures, concerts, touring theatrical productions, and experimental classes; Wilderness Reflections, which presents summer outdoor orientation programs for new students; and the Third World Student Programming Board, which sponsors events that highlight minority and ethnic cultures.

General responsibility for determining policies and operating procedures for all union facilities and programs is in the hands of students. Each union has both a student board and a program committee that sponsor a variety of social, cultural, recreational, and educational programs. The services and activities support the educational objectives of the University, while fulfilling the bequest of Willard Straight, whose objective was "the enrichment of the human contacts of student life."



Religious Affairs

"Freedom for all; domination by none" is the guiding principle under which religious affairs have flourished at Cornell since 1869. Cornell United Religious Work (CURW) was established in 1929 to provide a vehicle for cooperative religious work on campus. Its thrust is threefold: denominational, interreligious, and nondenominational. Anabel Taylor Hall, given by Myron C. Taylor in 1952, provides office and meeting facilities for the religious programs described below. In 1956 CURW was officially designated the Department of Religious Affairs.

A diverse staff of pastoral counselors and advisers, available day and night for consultation, may be reached through the information office, CURW, Cornell University, 118 Anabel Taylor Hall, Ithaca, New York 14853 (telephone: 607/256-4214). This office also has information concerning weekly religious convocations in Sage Chapel and worship opportunities in Anabel Taylor Hall and the local churches and synagogue. Anabel Taylor Hall is the headquarters for CIVITAS (Cornell-Ithaca-Volunteers-in-Training-and-Service), through which students provide many services to local and regional community agencies. Interreligious International Ministry (IRIM) offers courses and conferences that discuss world religions and ideologies in the context of world community. The Commons, a coffeehouse in the building, provides a place for informal communication among faculty, staff, and students.

Member groups currently participating in CURW are AME Zion, Baha'i, Catholic,

Christian Science, Episcopal, Evangelical, Friends, Jewish, Latterday Saints, Lutheran, Muslim, Eastern Orthodox, Unitarian Universalist, United Ministry (Baptist, Disciples of Christ, Reformed, United Church of Christ, United Methodist, and United Presbyterian), and Wesley Foundation. Other religious organizations active on campus are listed at the Office of the Dean of Students. The denominational programs offer daily or weekly opportunities for worship, study, pastoral care, retreats, recreation, and special projects and programs. As members of CURW, they share in support and leadership of interreligious programs and activities. Among these are the Sage Chapel Convocations, CIVITAS, IRIM, noncredit courses, lectures, conferences, and involvement in varied services to the University community.

The groups that engage in social service and social action programs do so as denominations, or in coalition, or through the Centre for Religion, Ethics, and Social Policy (CRESP), closely associated with CURW but independent of it. CRESP is the primary research and action component of religious affairs at Cornell. It advocates a fundamental connection between spiritual vision and social practice and addresses concerns related to human needs and potential. The scope of its work is revealed by some of its programs and projects, all of which are open to everyone in the University and the wider community: Eco-Justice, the Learning Web, the Alternatives Library, the Committee on U.S.-Latin America Relations, the Prison Research Education Action Project, the Cornell Corporate Responsibility Project, Displaced

Homemakers, Alternative Agricultural Seminars, the Public Interest Research Group. CRESP and CURW jointly sponsor the annual Thorp Lecture Series (bringing to the campus outstanding people to address concerns of spiritual life), a program of religious and spiritual studies courses, and periodic conferences on issues of values, ethics, and social and personal life.

The combined staffs and advisers of CURW, CRESP, and the denominations meet weekly in fellowship and study to enhance their service to the University community. Their work and their programs are independent but interrelated, built on cooperation without requiring compromises of basic religious tenets. The united work of CURW and CRESP is open to all persons, with or without religious affiliation.

Motor Vehicles

The University is concerned about the effects of motor vehicles on the campus environment and the limited parking facilities. Any student is permitted to operate a motor vehicle at Cornell. However, vehicle access to central campus is restricted. Parking space for commuters and residents is very limited. Questions about motor vehicles should be addressed to the Traffic Bureau, Cornell University, 115 Wait Avenue, Ithaca, New York 14850 (telephone: 607/256-4600).



Housing

Living arrangements at Cornell are flexible, and students are permitted to live on or off campus. Some students prefer to live on campus, just a few minutes away from classes, the libraries, an evening concert, a lecture, or a film. Others prefer to rent apartments and rooms in the Ithaca community or to live in sororities or fraternities adjacent to the campus.

Residence halls. The University provides numerous residence halls accommodating approximately 5,500 single undergraduate and graduate students. These residence halls offer substantial variety in size, style, and type of living arrangement. The various kinds of

accommodations available include single rooms, double rooms, triple rooms, suites, and a few apartments. Some halls are reserved for women or men, while others are coeducational.

In addition to the larger halls, there are small units that provide an opportunity for cooperative living arrangements for upperclass students, and there are also special residences reserved for students sharing a particular interest, such as ecology or the performing arts.

The University's residence halls are more fully described in the booklet *Living on Campus: Housing for Single Students*, available from the Department of Residence Life, Housing Assignment Office, Cornell University, 223 Day Hall, Ithaca, New York 14853.

Family housing. Unfurnished apartments for 422 students and their families are available in three apartment complexes: Cornell Quarters, Pleasant Grove Apartments, and Hasbrouck Apartments. Requests for further information should be directed to the Family Housing Office, Hasbrouck 40, Pleasant Grove Road, Ithaca, New York 14850.

Off-campus housing. Information on available off-campus housing is posted at the beginning of the fall term in the International Lounge in Willard Straight Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists for distribution by mail. If possible, a student should make at least one trip to Ithaca to look over the available rooms, apartments, and houses before taking up residence.



A brochure describing off-campus housing in the Ithaca area may be obtained by writing to the Office of the Dean of Students, Cornell University, 103 Barnes Hall, Ithaca, New York 14853.

Dining Services

Cornell University maintains dining services in ten locations — Willard Straight Hall, North Campus Union, Noyes Center, Balch Hall, Sage Hall, Hughes Hall, Noyes Lodge Pancake House, Risley Hall, the Staller Student Cafeteria, and the Dairy Bar. These facilities are open to all students on a cash or credit basis, whether or not they live in University residence halls or subscribe to a specific dining plan. The University has no formal dining requirements, allowing students the flexibility of eating when and where they choose.

The Department of Dining Services also operates a grocery store on campus, the Pick-Up in Noyes Lodge Pancake House. Also, major vending machine areas in Martha Van Rensselaer and Warren halls and the veterinary college offer hot and cold food and drinks along with radar ovens for convenience in heating food.

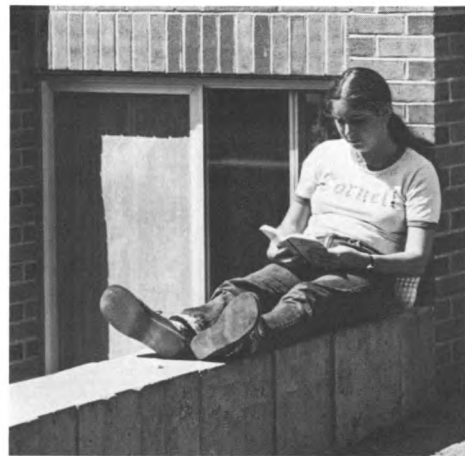
For those students who want to subscribe to a dining plan, the following options are offered:

Co-op Dining Program. Prepaid each semester, this convenient and unusually flexible program allows students to eat all they want during specified times at six co-op dining centers (Willard Straight Hall, Noyes Center,



Balch, North Campus Union, Risley, and Sage) at a savings. From many available options students choose the one that best suits their needs. Students do not need to be campus residents to participate in this plan. Additional information may be obtained from Cornell Dining, 233 Day Hall, Ithaca, New York 14853.

Cornellcard. A credit card for those who do not want to pay cash for each meal or be on the Co-op Dining Plan is honored by Cornell Dining. The Cornellcard program is administered by the Office of the Bursar. Information is available from the Office of the Bursar, Cornell University, 260 Day Hall, Ithaca, New York 14853.



Student Services

Office of the Dean of Students

The University, through the Office of the Dean of Students, maintains a staff of advisers available to graduate and undergraduate students. The staff helps students with the routine problems that arise in the normal course of campus life and also more-personal problems. It is the general University office concerned with student life at Cornell. Referrals may be made to other professionally trained members of the University staff who are best qualified to assist with particular problems.

Staff members of the office help fraternities, sororities, and peer counseling groups with programs and policy. The office also coordinates programs for orienting new students to campus life and sponsors sex and drug education programs and special programs for married students.

In addition, the coordinator for off-campus students has information about available rooms and apartments in the Ithaca area. The coordinator is also prepared to provide programs and activities relevant to the unique needs and interests of off-campus student residents.

Staff members of the schools and colleges of the University also give special attention to the orientation of their students. They provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

International Student Office

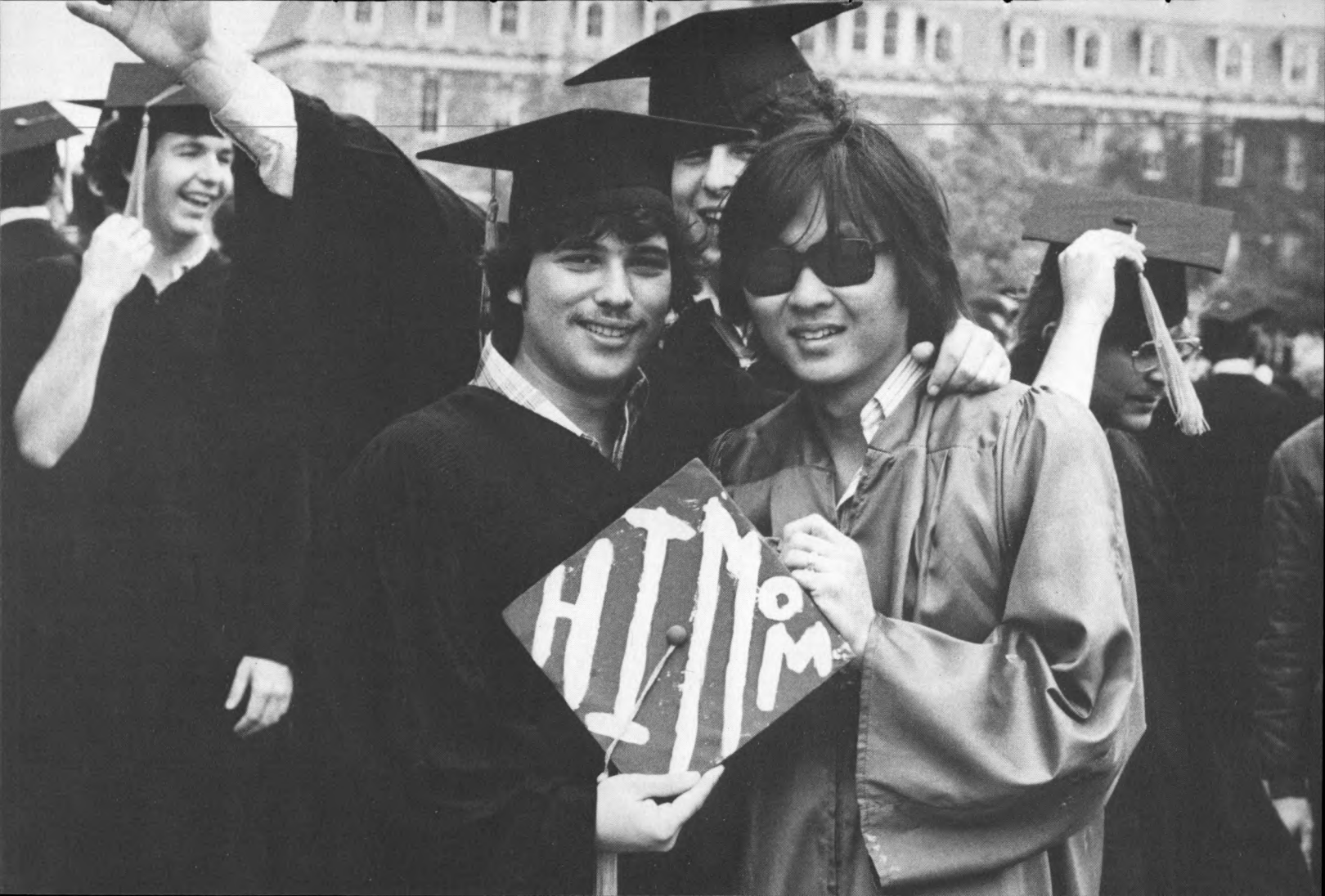
Foreign students are invited to write to the International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853 (telephone: 607/256-5243) for any information they may need or to consult the staff about any problems they may have. Upon arrival at Cornell, foreign students are requested to report to the International Student Office.

Services for the Handicapped

A brochure describing services for the handicapped student may be obtained by writing to the Office of Equal Opportunity, Cornell University, 217 Day Hall, Ithaca, New York 14853. Questions or requests for special assistance may also be directed to that office.

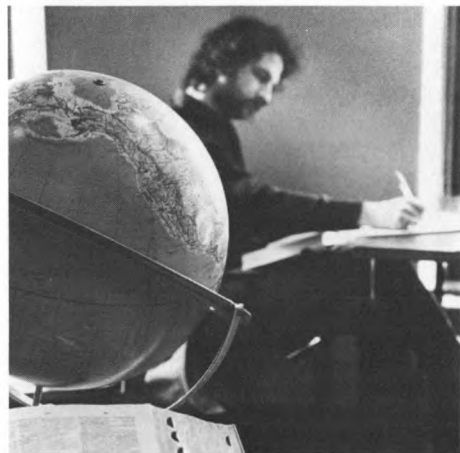
Ombudsman

The Cornell University ombudsman and members of the staff hear and investigate complaints about the operation of any aspect of the University, especially complaints of injustice and abuse of power. The office is independent of the University administration and all groups on the campus. All communications are confidential, and any member of the Cornell community may file a complaint with the Ombudsman's Office.



Career Services

Ezra Cornell's intention to "found an institution where any person can find instruction in any study" finds expression in the career services provided by the University. Any student wanting to explore employment or educational opportunities in almost any field will find someone on the faculty or an adviser to help. Students who want to pursue specialized professional goals in agriculture and life sciences, engineering, labor relations, or hotel administration will find a placement office in their school or college. In addition, the Career Center in Sage Hall serves the entire campus.



Career Center

While emphasizing the process of choosing a career after graduation as well as providing employment services, the Career Center also provides information, instruction, and advice on a wide range of related areas, including summer job opportunities, internships, graduate and professional schools, graduate fellowships and scholarships, summer study programs, student travel, minority opportunities, overseas study, volunteer activities, job-hunting techniques, preprofessional advising, and instructional videotapes.

The center's facilities, program, and activities include the following:

A library. With more than 15,000 items, this library, one of the most extensive career libraries in the country, has information about career opportunities, job-hunting techniques, graduate study, summer and other short-term employment, study abroad, and government employment. Two information specialists assist students in the use of this material.

"The Career Center News." This section appears weekly in the *Cornell Daily Sun*, informing the campus of job interviews, application deadlines, and career programs.

Programs. There are speakers, panel discussions, and other events on such subjects as job hunting, graduate school admissions, fellowships and scholarships, and study and job opportunities abroad.

Employment interviews and job placement. During October and November and again in February and March the Career Center, along

with the schools and colleges, provides up to thirty interviewing rooms a day for the hundreds of employers who come to the campus each year to talk with Cornell students. The diversity of the University and the quality of the students bring most of the major employers of college graduates to the campus.

Placement bulletins. In addition to bulletins listing jobs, every two weeks the center publishes and distributes to three thousand employers a bulletin listing the qualifications of students and alumni seeking employment.

Graduate school recruiting. Cornell students are extensively recruited by graduate and professional schools. The Career Center arranges interviews with admission directors from various graduate institutions, including the major law and graduate business schools.

Advising and instruction. Instruction is provided on job-hunting techniques and career planning through programs that include résumé critiques and a self-assessment workshop. The staff also advises students on individual problems related to graduate school admissions and fellowships.

Health Careers Program Office

Guidance and advice for premedical, pre dental, preveterinary, and other students interested in health careers is offered by the Health Careers Program, which also provides a credentials service through the Health Careers Evaluation Committee. Students are encouraged to come in whenever they have determined their interest in a health profession.

Educational and Vocational Guidance

Educational and vocational counseling begin in the separate colleges and schools. Each undergraduate is assigned a faculty adviser who will help in the selection of courses that will give the best preparation in a chosen field.

Students who want assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may be referred to the University Guidance and Testing Center for an intensive program of testing and counseling.

Reading and Study Skills Program

The Reading and Study Skills Program offers all students the opportunity to acquire and improve the reading and study skills essential for academic success. Each semester numerous sections of six-week courses and three-week workshops in reading and study skills and instruction in the techniques of speed reading are offered.

Health Services

The following services are available at no additional expense to all full-time students who have paid Cornell University tuition and who are in Ithaca:

1. unlimited visits to Gannett Health Center,
2. after-hours and overnight care at Gannett Health Center,
3. routine laboratory and X-ray services ordered by physicians in the Department of University Health Services,
4. physiotherapy services,
5. counseling services at the center and in the Mental Health Section.

Expenses not covered by the University health services program are visits to a private physician or health care facility without referral by the Department of University Health Services; house calls; hospitalization expenses for medical care and surgical procedures; routine expenses for contraceptive, prenatal, and obstetrical care; and expenses connected with illness and injury occurring (a) outside of Ithaca while in transit to and from college, on weekend trips, and on vacations away from Ithaca during the academic year and (b) during the summer unless enrolled as a summer student. Many of these expenses are covered by the Accident and Sickness Insurance Plan (see below).

Outpatient, after-hours, and overnight care is centered in Gannett Health Center. The medical staff, under the supervision of the clinical director, consists of attending physicians, psychologists, and health associates from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

Accident and Sickness Insurance Plan.

Insurance at extra cost is available for students and their dependents to supplement the services outlined above. For example,

hospitalization and physicians' fees at Tompkins County Hospital when referral is made through the Department of University Health Services and expenses for illness or accident outside Ithaca are covered. Unless students have other insurance to supplement medical services provided by the Department of University Health Services, they are strongly urged to take advantage of this plan. Information about this insurance may be obtained at the Gannett Health Center, where a representative of the insurance company has an office.

A charge for this coverage will appear on each student's fall tuition bill. If coverage is not wanted, the charge may be waived by completing the waiver card sent with the August bill or completing a waiver card at registration.

Health care plan for student spouses.

The Department of University Health Services offers student spouses care identical to that available to the student on a prepaid or fee-for-service basis. Most services are available at reduced cost to those who participate in the program. Contraceptive and obstetrical services are not included in this program, but other gynecological services are.

These services are not to be confused with the Accident and Sickness Insurance Plan for Cornell students and their dependents outlined above.

Information and forms for the spouse plan may be obtained by writing or visiting the Department of University Health Services, Gannett Health Center, Cornell University, 10 Central Avenue, Ithaca, New York 14853.

Admission to Cornell

Admission Policy

It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age, or handicap. The University is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

Each of the undergraduate schools and colleges is limited in the number of students it can accommodate. The number of qualified applicants for freshman and transfer admission exceeds the number that can be admitted. Students may submit only one application for a given semester and be considered for admission by only one undergraduate division at a time. Applicants compete only with those seeking admission to the same Cornell school or college. Each undergraduate unit has its own selection committee, admitting those who have best demonstrated they deserve acceptance. Those schools and colleges that focus on professional programs select students who, having met all other qualifications, show the best evidence of being suited for the field of work to which the course of study is directed.

Choosing the undergraduate unit to which to apply should be given careful thought. Requirements for admission and graduation vary significantly from one division to another.

These should be considered in relation to a student's abilities, interests, achievements, and academic and vocational goals. Secondary school counselors should be consulted, and Cornell admission officers are always ready to assist prospective applicants. University group admission conferences (p. 65) can help prospective students select the appropriate undergraduate unit.

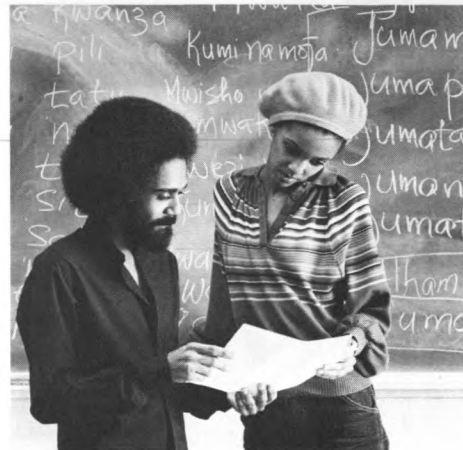
While some students at Cornell do transfer from one undergraduate school to another after enrolling, such internal transfer cannot be guaranteed. Counseling is available to those who find themselves in an inappropriate course of study, and every effort is made to help students transfer within the University so they can satisfactorily complete an undergraduate program. Those who are unable to transfer directly from one Cornell school or college to another, but who appear to have a reasonable chance for academic success in another area of study, may be admitted to the Division of Unclassified Students for one or two semesters. Students in the division enroll in the same courses they would normally take if they were registered in the new academic unit while attempting to meet the transfer requirements of that school or college.

Academic competence. Cornell University is devoted primarily to the intellectual development of its students. Those selected for admission must have clearly demonstrated the intellectual capacity to carry on the academic work and to profit from the instruction. Intellectual preparedness for study

Extracurricular activities. To supplement the basic requirement of demonstrated intellectual capability, evidence of the applicant's involvement in nonacademic areas is an important consideration in admission decisions. This factor is judged by the student's participation in school and community extracurricular activities and by the use made of vacation periods. Work experience or other activity related to the applicant's vocational or professional objective is also important.

Geographical distribution. Cornell University draws its students from all parts of the United States and more than ninety foreign countries. The University is proud of the cosmopolitan and diverse makeup of its student body. It believes in the educational values inherent in bringing to the campus persons of widely different backgrounds and directs its admission policies to the furtherance of these objectives.

Children or alumni. The University wants to include among its students as many of the children of its alumni who are qualified for admission as existing admission competition will allow. In choosing between applicants of approximately equal qualifications, including scholarship, extracurricular activities, character, personality, and motivation, the son



or daughter of an alumnus will receive preference in some divisions of the University. The Cornell relationship receives serious consideration by selection committees, although the statutory units, because of their New York State affiliation, cannot weigh it as heavily as the private divisions.

Retention and graduation of undergraduates. The table below follows the freshman class entering Cornell in the fall of 1974 through five years until the beginning of the sixth year (fall 1979). It is important to go beyond the normal four years in which most students would have received baccalaureate degrees to account for those in longer programs, especially the five-year program in

architecture, for students who left the University for short periods but returned to complete degrees, and for others who may have needed more time to complete their degree after changing from one program to another within the University.

By the fall of 1979, 79.2 percent of the students that entered endowed undergraduate units in 1974 (architecture, art, and planning;

arts and sciences; engineering; and hotel administration) had either graduated or were still enrolled. In the statutory units (agriculture and life sciences, human ecology, and industrial and labor relations) 81.3 percent had graduated or were still working toward a Cornell degree.

Retention and Graduation of Students Who Entered as Freshmen in Fall 1974

Year	Percentage Enrolled at Beginning of Year*	Percentage Graduated by Beginning of Year	Combined Percentage
Endowed Colleges			
1	100.0	0.0	100.0
2	89.1	0.0	89.1
3	77.1	0.0	77.1
4	76.9	1.4	78.3
5	12.8	65.2	78.0
6	2.9	76.3	79.2
Statutory Colleges			
1	100.0	0.0	100.0
2	92.0	0.0	92.0
3	80.3	0.3	80.7
4	76.8	3.4	80.2
5	8.0	72.8	80.8
6	2.3	79.0	81.3

*Includes students who have withdrawn or taken leaves of absence and subsequently returned.

Obtaining Application Forms

United States and Canadian citizens.

Citizens of the United States or Canada, persons holding permanent resident visas or refugee visas from the United States, and landed immigrants of Canada seeking admission to an undergraduate school or college at Cornell should request application forms from the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850.

Correspondence regarding entrance to Summer Session, the Graduate School, the Graduate School of Business and Public Administration, the Law School, the Medical College, the Graduate School of Medical Sciences, and the College of Veterinary Medicine should be addressed to the individual units.

Foreign students. Any foreign national (except a Canadian) holding a nonimmigrant visa is defined by Cornell University as a *foreign student*. Nonimmigrant categories include persons holding A-1, A-2, B-1, B-2, E-1, E-2, F-1, F-2, G-1, G-2, G-3, G-4, I, J-1, and J-2 visas.

All foreign students (except those in American or Canadian schools) must submit a preliminary application and academic documents to determine whether they meet the basic entrance requirements for the Cornell school or college in which they have an interest. Preliminary applications may be obtained by writing to the Undergraduate Admissions Section, International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853. Preliminary applications are due by December 1 for September entrance and October 1 for January entrance. Only foreign students who are enrolled in programs in the United States are eligible to apply for January entrance.

All correspondence regarding admission for a foreign student should be directed to the International Student Office. Foreign students enrolled in American or Canadian schools are assumed to meet the minimum entrance requirements and may request the final application packet from the International Student Office. The application deadline for the spring term is November 1; for the fall term, January 15 for freshman applicants and March 15 for transfer applicants.

In addition to the test requirements of each division, foreign applicants whose native language is not English are generally required to submit results of the Test of English as a Foreign Language (TOEFL).

Conferences, Interviews, and Tours

Prospective students and their families are encouraged to arrange discussions with members of the faculty or admission staff and to become familiar with the University in other ways. The University's Office of Admissions and the undergraduate schools and colleges offer a variety of opportunities for group conferences and individual interviews. All individual interviews are by appointment. Interested students are encouraged to write or telephone suggesting a date and time, and alternates if possible, at least three weeks before the date requested. Each undergraduate division arranges its own individual interviews and group meetings. Students should communicate with the secretary at the address or telephone number listed on the following pages for each school or college.

Handicapped students who want to visit the campus can make special arrangements for interviews, attendance at group meetings, tours, and other special needs by communicating well in advance with Mrs. Marjorie Sullivan, Assistant to the Director of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850 (telephone: 607/256-5050).

Foreign applicants are encouraged to plan a visit to the campus. An individual interview may be arranged with the assistant director for undergraduate foreign admissions by contacting the International Student Office, Cornell University, 200 Barnes Hall, Ithaca,

New York 14853 (telephone: 607/256-5245). Applicants should also plan to see a school or college admission representative and take a campus tour. (Only the School of Hotel Administration requires an interview of foreign applicants.) Interviews should be arranged at least two weeks in advance and are by appointment only. Interviews for prospective foreign freshmen are conducted June 1 through January 15. Transfer applicants may arrange for interviews until March 15.

Required Interviews

The college and schools listed below require personal individual interviews as a part of the application process.

College of Architecture, Art, and Planning.

Applicants and prospective applicants for admission are encouraged to visit the campus in the fall of the year before anticipated enrollment for the interview. An on-campus interview with a faculty member in the Department of Architecture or the Department of Art is most desirable. When an applicant is unable to come to Ithaca, it may be possible to schedule an interview with a graduate of the program in the prospective student's area of residence. Portfolios of work, if available, are requested by both the Department of Architecture and the Department of Art. These should be brought to the interview in original form, copies, or slides. Examples of class assignments or independent work are acceptable. Applicants who cannot arrange for either an on-campus or an off-campus interview should contact the admission

secretary about submitting a written statement in lieu of the interview. Interview arrangements for the Department of Architecture may be made by contacting the Admission Secretary, Department of Architecture, Cornell University, Sibley Hall, Ithaca, New York 14853, or calling 607/256-4376 two weeks before the intended visit. Interview arrangements for the Department of Art may be made by writing to the Department Secretary, Department of Art, Cornell University, Franklin Hall, Ithaca, New York 14853, or calling 607/256-3558.

School of Hotel Administration. It is the responsibility of the prospective student to arrange the required interview. On-campus interviews are strongly encouraged, but when a visit to the campus is impossible, arrangements can be made for interviews in other locations. Contacts with other representatives of the University do not substitute for the required individual interview arranged through the school's admission office. Appointments are made by writing to the Admission Secretary, School of Hotel Administration, Cornell University, Statler Hall, Ithaca, New York 14853, or calling 607/256-6376.

School of Industrial and Labor Relations. The school writes to each applicant about the required interview after it receives the application. Alumni interviews and informational visits to the school do not normally substitute for the formal interview. Arrangements for informational visits, generally scheduled on Monday mornings or Friday afternoons, may be made by writing to the Office of Admissions, School of Industrial and

Labor Relations, Cornell University, 101 Ives Hall, Ithaca, New York 14853, or calling 607/256-2221.

Optional Conferences and Interviews

College of Agriculture and Life Sciences.

The college offers admission conferences, in small groups and individually, by prior appointment. Individual appointments for prospective freshmen and transfer applicants are available, as time allows, weekdays from 10:00 a.m. to noon and 2:00 to 4:00 p.m. Group sessions are scheduled on Monday and Friday afternoons at 2:00. Transfer applicants are usually granted individual appointments to discuss their preparation for transfer. Appointments and conferences are not scheduled on University holidays. Arrangements are made by contacting the Admission Secretary, College of Agriculture and Life Sciences, Cornell University, 195 Roberts Hall, Ithaca, New York 14853, or calling 607/256-2036.

College of Arts and Sciences. The college recommends that students visit the campus for a personal interview. Although not required for admission, an interview does provide the admission representative with an opportunity to talk with the prospective student and to record any observations that may be useful to the admission committee. Personal interviews with prospective freshmen are conducted Monday through Friday from 9:00 a.m. to 4:00 p.m. from June 1 to January 15; between September 1 and January 15 interviews are also conducted Saturday mornings from 9:00

a.m. to noon. *Transfer applicants* may arrange for interviews until mid-March.

Owing to the large number of requests, all appointments should be scheduled well ahead of time by writing to the Office of Admissions, College of Arts and Sciences, Cornell University, 150 Rockefeller Hall, Ithaca, New York 14853, or by calling 607/256-4833.

All prospective students and their families are invited to attend the group admission conference. A member of the admission staff and a student lead these discussions, which focus on the curriculum, special programs and options, student life, and admission and financial aid policies. These sessions are intended to be informative rather than evaluative. They are held on Monday and Friday at 2:30 p.m. and on Saturday at 10:00 a.m. from September 1 to January 15. Although not required, appointments are recommended and may be arranged by contacting the college's Office of Admissions at the address above.

College of Engineering. The admission staff of the College of Engineering urges prospective students to visit the campus for an admission conference. These group conferences, which include faculty members and current students, are available Mondays and Fridays at 10:00 a.m. and 2:00 p.m. throughout the year and on several Saturdays during the fall term. (If notified in advance, the college will try to accommodate students who cannot attend scheduled conferences.) The number of requests to attend the sessions is large, and students are urged to make reservations well in advance with the

Appointment Secretary, College of Engineering, Cornell University, 221 Carpenter Hall, Ithaca, New York 14853 (telephone: 607/256-5008).

Conferences present information about the engineering profession and the structure and organization of programs of study available in the college. Questions are encouraged, and parents are welcome to attend the sessions. An applicant who wants to discuss personal records with a staff member can do so after the group conference, provided the applicant has scheduled the meeting in advance.

Since the College of Engineering at Cornell is a unique environment, students should try to visit the campus. A comparison with other engineering campuses is a valuable first step toward making a decision about applying, and we encourage applicants to view firsthand the various field programs in engineering and their integration with the University as a whole.

College of Human Ecology. The college offers small group conferences on Monday and Friday at 10:30 a.m. and 3:00 p.m. all year. From May 1 until February 1 individual conferences may be scheduled as time permits on Tuesday, Wednesday, and Thursday from 10:00 a.m. to noon and 2:00 to 4:00 p.m. Prospective transfers may arrange appointments until April 1. A group conference is also available at 10:00 a.m. on one Saturday each month in the fall. Appointments for all conferences should be made at least a week in advance. If advance notice is not possible, the college will try to accommodate applicants. Appointments can be arranged by contacting the Admission Secretary, College of

Human Ecology, Cornell University, N101 Martha Van Rensselaer Hall, Ithaca, New York 14853, or calling 607/256-5471.

University group conferences. These group sessions are for those who have limited knowledge about the University or who are unsure how their interests might best be accommodated by a Cornell undergraduate program. Conferences, which are open to students, parents, and other interested persons, include information on the admission process, financial aid, educational programs, and campus facilities and also provide an opportunity to ask questions. Sessions lasting from forty-five minutes to an hour are held at the University's Office of Admissions, 410 Thurston Avenue, on Monday and Friday at 9:30 a.m. and 11:00 a.m.; Tuesday, Wednesday, and Thursday at 9:30 a.m.; and Saturday at 9:00 a.m. Those who want to participate are encouraged to make appointments by writing to the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850, or by telephoning 607/256-5241 a few days before the visit, but appointments are not required. Parking is available at the office, and arrangements for on-campus parking will be made for those who want to visit other facilities.

Campus Information and Tours

The Information and Referral Center assists students, faculty, staff, and visitors by distributing free literature, answering questions, and giving directions. The center's goal is to minimize confusion and help people avoid having to contact several offices with their questions. Questions to which answers are not readily available will be researched by the center staff. The center, located in Day Hall near the East Avenue entrance, is open Monday through Saturday from 9:00 a.m. to 5:00 p.m. (telephone: 607/256-6200).

The center conducts University campus tours every day except certain University holidays. The tours, given by student guides, provide visitors with a general survey of Cornell's history while showing them the beauty of the campus. During holidays and intersession periods it is advisable for visitors to call ahead to ensure that the tour they want to take will be offered. The tours leave from the Information and Referral Center on weekdays at 11:15 a.m. (April 1 through October 31 only) and 1:30 p.m.; on Saturdays at 11:15 a.m.; and on Sundays at 1:00 p.m.

Admission of Freshmen

Applications

The application process is designed to gather necessary information while affording applicants an opportunity to describe themselves and their interests, achievements, and educational, vocational, and professional goals in some detail. Selection committees consider each applicant carefully and thoughtfully, and the information supplied on the application forms is of critical importance.

January 15 is the deadline for submitting form 1 of the application for admission for all undergraduate schools and colleges and for submitting financial aid applications. Since

assembling complete records for all applicants takes considerable time and the review of applications is a long and detailed process, prospective applicants are urged to request applications by December 1. Prompt return of completed materials is to the applicant's advantage.

Subject and test requirements for each academic division are contained in a chart on pages 70–71. Note these requirements carefully.

Early Decision

The Colleges of Agriculture and Life Sciences, Arts and Sciences, Engineering, and Human Ecology and the School of Hotel Administration participate in an early decision plan designed

for high school seniors whose first preference is Cornell. Only a small percentage of the freshman class of each of these divisions is admitted during the early decision selection process.

In addition to the regular application for admission, each applicant interested in early decision is required to submit an early decision request form by November 1 with which the applicant agrees to withdraw all other applications if accepted for admission to Cornell. This form accompanies each set of applications distributed by late October.

Applicants are notified of the University's decision, including financial aid, by the middle of December. Those who are not selected for early acceptance but seem qualified for further consideration during the regular review process are notified that action on their applications has been postponed.

The Scholastic Aptitude Test of the College Board (taken no later than November of the senior year) or the American College Testing Program examination (taken no later than October of the senior year) is required. College Board achievement tests required by the Colleges of Arts and Sciences and Engineering do not have to be submitted for early decision review, but these requirements must be completed by accepted applicants before entrance. Early decision applicants whose applications are postponed for regular review must complete the required achievement tests no later than the January test date.



Early Admission

Each year a few students request consideration for admission after only three years of secondary school. Some of these students receive a high school diploma by completing all requirements in three years; others leave school lacking one or a few credits. Admission committees give serious consideration to those applicants who have exhausted the offerings of their secondary schools and who, in addition, give a clear indication of a level of maturity that makes early college entrance desirable and appropriate. Those students who have the opportunity to take advanced, accelerated, or college-level courses during their fourth year in secondary school are usually encouraged to do so unless this action would inhibit the development of some academic strength.

Since there is variation from one Cornell division to another regarding early admission, students considering it should write to the school or college of their choice at Cornell or make an appointment for an on-campus interview to discuss their plans and reasons for wanting to enter early.

Selection and Notification

A committee in the school or college to which the student has applied selects those it considers most entitled to admission from among all who have applied to that division.

Four divisions of the University — the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Hotel Administration — follow a policy

of rolling admissions. They report decisions to applicants over a period of time, with some letters sent as early as February 1, but with most of them sent during March and the first half of April. The selection committee in each of these divisions must review a large number of applications, and the fact that some applicants hear from Cornell considerably later than others has nothing to do with the quality of the applicant.

Applicants to the College of Architecture, Art, and Planning, the College of Arts and Sciences, and the School of Industrial and Labor Relations are advised of the outcome on the common notification date in mid-April.

Most financial aid notification announcements are also mailed on the mid-April common notification date to admitted applicants.

Deferred Enrollment

Some students accepted for freshman admission may want to defer their enrollment to the following year or later. This is usually permitted in all divisions, provided the student is committed to Cornell for entrance at a later time and will not be applying elsewhere. An accepted student who wants to defer entrance should (1) accept Cornell's admission offer by the stated date; (2) complete and return the registration fee coupons, which are sent with an acceptance, along with the required \$50 fee; and (3) state in an accompanying letter the reasons for the requested enrollment deferral and the date entrance is desired.

If the request for deferred entrance is approved, the student will be guaranteed a place in the specified future freshman class.

Spring Term Admission

The College of Arts and Sciences offers admission to freshman applicants for the spring term. Applications must be submitted by November 1, and students are notified by mid-December. January admission may be especially attractive to those who graduate from high school at midyear and want to enter college immediately as part of their plans for acceleration and to those who want to defer college entrance for a semester in order to gain a different kind of experience, such as work or travel.

Foreign students currently residing in the United States are invited to apply for admission at midyear. However, since it is time-consuming to obtain the proper documents for study in the United States, all students residing abroad are requested to apply for entrance in the fall semester.

Freshmen accepted for the spring term who have taken college-level work during the fall semester should have course descriptions and official transcripts sent to the Recording and Scheduling Office, College of Arts and Sciences, Cornell University, 144 Goldwin Smith Hall, Ithaca, New York 14853.

Admission of freshmen for the spring term is available only in the College of Arts and Sciences.



Test Requirements

The table on pages 70 and 71 summarizes the subject and test requirements and suggested preparation for each school and college.

College Board tests. Freshman applicants are urged to take the College Board Scholastic Aptitude Test (SAT) no later than the December test date of their senior year and any required College Board achievement tests no later than the January test date for fall entrance. Not taking the required tests by these dates may seriously jeopardize a student's chances for admission. Students must request the College Board to send the official score report to Cornell University. Scores reported on school transcripts or in

other ways are not acceptable.

Students may obtain application forms for these tests through their schools or by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

American College Testing Program tests. All divisions will accept the results of the American College Testing Program examination (ACT) as either a partial or a complete substitute for the College Board tests. (See pp. 70–71 for detailed requirements.) Applicants must ask the American College Testing Program to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

Applicants for fall entrance are urged to take the tests no later than the October test date of their senior year. Registration packets may be obtained from secondary schools or from the American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240, or 216 Goddard Boulevard, King of Prussia, Pennsylvania 19406.

New York State Regents examinations.

Regents examinations, prepared by the New York State Education Department, are not required by any division of the University. They are particularly desired, however, of students from New York State who are applying to the College of Agriculture and Life Sciences or the School of Industrial and Labor Relations, and they are useful in the evaluation of applicants to the other divisions as well.



Freshman Summer-Start Program

This special program is available for incoming Cornell freshmen who want to begin their college careers in the summer. The program provides the opportunity to earn credit toward a degree and, at the same time, eases the student's transition to the rigors of university life. Participants take two undergraduate courses. One is of the student's own choosing. The other is a Freshman Seminar designed to improve and develop the writing skills that are basic to successful performance at Cornell. Students live together in a dormitory with resident counselors, in a situation intended to provide informal association with faculty members. The advantages of the early-start program are many and vary from student to student: to adapt early to college life, to make friends and meet faculty in the informality of the summer session, to get a head start in a probable major, to work toward an accelerated degree. The opportunity to study at Cornell while the campus is uncrowded and while the natural attractions of the Ithaca area are at their most inviting is an additional advantage.

For more-detailed information write to Cornell University Summer Session, 105 Day Hall, Ithaca, New York 14853.

Advanced Placement

Entering freshmen may qualify for advanced placement or credit or both on the recommendation of the appropriate departments of instruction and with the approval of their school or college. Policies



and procedures relating to the award of advanced placement and credit vary from one Cornell undergraduate school or college to another; students should consult with a member of the admission staff in the individual unit for detailed information.

Results of examinations sponsored by the College Entrance Examination Board (the Advanced Placement Program and the College-Level Examination Program) and by the United States Armed Forces Institute and results of the New York State College Proficiency Examination are considered in recommending placement or credit. In addition, several Cornell departments offer their own examinations given on campus during orientation week.

Students may also qualify for credit based on previous college work completed at Cornell

or elsewhere. Copies of transcripts and course descriptions should be sent to the appropriate school or college office at Cornell.

A leaflet describing advanced placement in greater detail is available from the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850.

Information on Cornell University's advanced standing policy for foreign credentials may be obtained by writing to the Assistant Director for Undergraduate Foreign Admissions, International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853.

Students holding foreign credentials who feel they may be eligible for advanced standing consideration should contact the International Student Office before enrollment for clarification of the advanced standing policy.

Requirements and Recommended Preparation for Freshman Admission

	Secondary School Subjects	Standardized Tests
Agriculture and life sciences	16 units, including 4 units of English and 3 units of mathematics	SAT or ACT
Architecture, art, and planning	<p><i>Architecture:</i> 16 units, including 4 units of English, 4 units of mathematics (including intermediate algebra, plane geometry, trigonometry), and either 3 units of one foreign language, 2 units each of two foreign languages, or satisfactory score on a College Board achievement test in a foreign language (a deficiency in this requirement must be explained in a letter accompanying the application for admission; students who enroll with a language deficiency must complete the requirement in college or in summer school)</p> <p><i>Art:</i> 16 units, including 4 units of English, 3 units of mathematics, and 3 or 4 units of foreign language (as explained above)</p>	SAT or ACT
Arts and sciences	16 units, including 4 units of English, 3 units of mathematics, and 3 units of one foreign language (deficiencies in subject requirements should be explained in a letter accompanying the application for admission)	SAT or ACT; 3 College Board achievement tests in different subjects, one of which must be English composition (with or without essay)
Engineering	16 units, including 1 unit of chemistry, 1 unit of physics, and 4 units of mathematics (to include 2 units of algebra, 1 unit of geometry, and 1 unit of a precalculus subject such as trigonometry)	Either ACT or both SAT and College Board achievement tests in mathematics (level I or II) and in chemistry or physics
Hotel administration	16 units, including 4 units of English, 3 units of mathematics, and 1 unit of chemistry	SAT or ACT for all whose native language is English (College Board achievement test in mathematics, level I or II, may be substituted for mathematics SAT); TOEFL for nonnative speakers of English unless educated in countries where English is the primary language
Human ecology	16 units, including 4 units of English, 3 units of mathematics, and 1 unit of biology, chemistry, or physics	SAT or ACT (may be waived for older students)
Industrial and labor relations	16 units, including 4 units of English	Either ACT or both SAT and College Board achievement tests in English and mathematics (level I or II)

Additional Requirements	Other Recommended Preparation	Admission Options	Undergraduate Degree
Must be 16 years old	A total of 18 high school units, including 3 units of science (biology, chemistry, and physics); for New York State residents, Regents examinations; for those who take SATs, College Board achievement tests in two of the following: English composition, mathematics, and science	Early decision, early admission, and deferred enrollment	B.S.
An interview preferably on campus; if an interview cannot be arranged, an essay describing the applicant's interest in the field	A portfolio of work; 1 unit of high school physics for architecture applicants	Early admission and deferred enrollment	B.Arch., B.F.A. and B.S.
	College Board achievement test in any foreign language to be continued for credit in college	Early decision; early admission, deferred enrollment; and spring term admission of freshmen, transfers, and special students	A.B.
	1 unit of biology for those interested in bioengineering	Early decision, early admission, and deferred enrollment	B.S.
An interview, preferably on campus	Additional mathematics and science (especially physics), social studies, foreign language	Early decision, early admission, and deferred enrollment	B.S.
	Another unit of biology, chemistry, or physics	Early decision, early admission, and deferred enrollment	B.S.
An interview, on or off campus; a five-hundred-word essay describing the applicant's interest in the field.		Early admission and deferred enrollment	B.S.



Admission of Transfer Students

If at the time of proposed entrance to Cornell a student no longer associated with a high school will have completed the equivalent of one semester or more of college work, that student is considered a transfer applicant. An exception is a high school student who graduates at midyear and pursues a college program for the rest of that academic year; such a student is considered a freshman applicant and, if accepted, will be considered for advanced standing credit as appropriate.

All foreign transfer applicants are expected to have completed one year of college work. Only foreign applicants enrolled in programs in the United States are eligible to apply for spring term admission. Foreign students should request applications from the Undergraduate Admission Section, International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853.

Transfer applications are available from the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850. Form 1 of the application must be returned by March 15 for transfer in September. Transfer applicants are encouraged to submit application materials well ahead of the deadline to allow sufficient time to gather and review credentials. Applicants to the College of Architecture, Art, and Planning should, if possible, apply by January 15 for fall term admission. All divisions also consider transfer applications for the spring term with a deadline of November 1 for submitting form 1 of the application.

The College of Architecture, Art, and Planning normally considers for spring term admission only applicants who have upperclass standing in professional architecture or art programs. The Colleges of Engineering and Human Ecology and the School of Hotel Administration consider applicants for spring term transfer even if they will have completed only one semester of college by that term. Other divisions normally require completion of at least one year of college work for spring term transfer consideration, although in special instances the College of Arts and Sciences and the School of Industrial and Labor Relations consider spring term applicants who will have completed only one semester of college work.

Individual interviews are required by the College of Architecture, Art, and Planning and the School of Hotel Administration. The School of Industrial and Labor Relations requires a five-hundred-word essay and recommends but does not require an individual interview.

Transfer applicants should be prepared to furnish transcripts of all work completed at the college level. For students applying for fall term admission, the transcript should include work taken the previous fall term and a list of courses being taken during the spring term. For students applying for spring term admission, the transcript should include work taken through the previous summer and a list of courses being taken during the fall term.

An admitted transfer student is required to submit a transcript of all college work completed before entrance to Cornell.

Most transfer applicants are required to submit scores of the College Board or ACT examinations.

Although students from community colleges and other two-year college programs may apply to any division of the University, the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Industrial and Labor Relations particularly encourage applicants from these programs. Students should write to the transfer admission committees of these divisions for information on admission procedures, financial aid, and advanced standing.

Admission of Special Students

Special students are those who enroll for one or more semesters and take a full program of studies without being candidates for a Cornell degree. (Those interested in less than full academic programs should contact the Division of Extramural Studies, Cornell University, 105 Day Hall, Ithaca, New York 14853.) Each year most of Cornell's undergraduate schools and colleges admit special students interested in attending the University on a short-term basis.

Many special students are degree candidates at other institutions but want to take particular courses not offered at their home colleges. Examples of special arrangements for such students are the visiting student programs in the College of Agriculture and Life Sciences, the College of Human Ecology, and the School of Industrial and Labor Relations.

It is also common for people already employed to study as special students to enhance career opportunities in their current fields of work or to help them change careers. Students may also use the special student category to make up deficiencies from previous undergraduate study in preparation for graduate or professional schools; however, the College of Agriculture and Life Sciences does not admit special students for training in such areas as premedical, prelaw, and preveterinary.

Occasionally a person who has an unusually strong talent or experience in a field of study but lacks the academic requirements for regular admission attends Cornell as a special student before being accepted into a degree program. This is especially true in the College of Architecture, Art, and Planning, the School of Industrial and Labor Relations, and the College of Human Ecology.

Each of Cornell's schools and colleges makes provisions for qualified special students to transfer to degree status. In no case, however, is transfer to a degree program automatic or guaranteed. Requirements and procedures for such transfer vary from one unit to another. Those interested should consult the appropriate admission representative.

A form requesting consideration as a special student must accompany the regular application form. This form may be obtained from the University's Office of Admissions or from the individual school or college admission office.

Health Requirements

Each entering student is expected to assume personal responsibility for fulfilling the University health requirements. Permission to register will not be granted unless all health requirements have been fulfilled.

Each student must submit a health history and have a medical examination. (This requirement applies also to special students who must meet other medical and health requirements, such as physical education and military training.) A student accepted for admission will be sent forms to be filled out and returned promptly to Gannett Health Center.

A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. If the medical history indicates a need, the student will be given an appointment to consult a physician at the center. A student who has been away from the University for more than a year must, upon reentrance, submit an interim health history on a University form.

All undergraduate students are required to be immunized against tetanus. While not required, it is strongly recommended that graduate students also have tetanus immunization. The Department of University Health Services makes available at Gannett Health Center initial immunization and booster doses of tetanus toxoid at a nominal charge for those who are unable to obtain immunization at home.



Special Opportunity Programs

Cornell University administers a variety of programs designed to provide academic and personal support and financial assistance to minority students and to low-income students who meet program guidelines.

These special programs help increase representation of students from minority groups present in New York State that have been underrepresented in higher education. Participation is also available to those residing outside New York State. For details prospective students should consult information included in each undergraduate application for admission.

Each year a limited number of students are admitted to Cornell, who, because of their economic or educational backgrounds might not normally have considered applying. In these cases criteria other than traditional academic standing and test scores are often weighed more heavily in admission decisions. Financial aid programs are open to any student meeting program specifications.

Basic Educational Opportunity Grants (BEOG), Supplemental Educational Opportunity Grants (SEOG), and the College Work Study Program — all federal programs — assist those who meet specific economic guidelines. (See details in the section on financial aid.)

Through the Higher Education Opportunity Program (HEOP) and the Educational Opportunity Program (EOP) New York State provides special assistance to residents of the

state who meet the academic and economic guidelines. Eligibility guidelines are published in materials that accompany the Cornell application for admission. For more details see the section on financial aid.

Cornell's Committee on Special Education Projects (COSEP) assists minority students by providing financial assistance and a variety of support services. COSEP, in conjunction with the individual schools and colleges at Cornell, provides services designed to promote a favorable initial campus adjustment, which has been found to be a principal determinant of college success.

Those who believe they qualify and want to be considered for COSEP, EOP, or HEOP aid and services must request such consideration on form 1 of the application for admission. Qualified applicants not electing special assistance compete for admission and financial aid with the general applicant pool.

Students admitted through COSEP, EOP, and HEOP participate in the services described in the following paragraphs. These support services, although available throughout the college career, are especially designed to ease the student's adjustment during the first year.

Summer programs. These programs are for students whose previous preparation and academic goals indicate a particular need that can best be met by prefreshman six-week summer courses. Those expected to attend will be advised at the time of acceptance for admission.

Special orientation. All program participants attend the special orientation (starting about a week before regular orientation) to receive a special briefing and introduction to the campus. Also, diagnostic testing will be administered for purposes of course-load counseling for the fall.

Academic assistance and services. The Learning Skills Center makes available preparatory courses for core subjects, tutorials, and study skills training. The center also provides access to typewriters, a reserve library, tapes, and calculators. A general counseling service is also available to help students make effective use of other University resources such as the Career Center, the Guidance and Testing Office, and the Health Careers Program Office.

Personal services and activities. The staff also addresses itself to student concerns such as work-study, leadership training, and development of leadership skills and provides assistance to student groups in financial budgeting and program planning.



Joint Statement on Common Admission Procedures

Ivy Group Institutions

The Ivy Group is a loosely-formed organization of colleges and universities. It was established in 1954 primarily for the purpose of fostering amateurism in athletics. Relations between the member institutions have grown over the years to the point where we now meet regularly at a variety of levels to discuss topics which range from the purely academic to the purely athletic and from fundamental educational philosophy to procedures in admissions.

Each member institution has its own identity and character and protects its right to pursue its own educational objectives. Thus, although the Ivy Group institutions are similar in many respects, each member institution will continue to make its own independent admission decisions according to its own particular admission policy.

In recent years, however, it has become clear that the transition between secondary school and institutions of higher education has become increasingly complex and that greater efforts should be made to simplify the admission process through more uniform procedures. It is our hope that by outlining carefully the procedures under which we are operating, we can help students pursue their college interests free of unnecessary confusion and pressure.

General Procedures

All contacts with students by representatives of Ivy institutions are intended to provide assistance and information and should be free of any activity which could be construed as applying undue pressure on the candidate. *No information referring to the admission or financial-aid status of an applicant to an Ivy institution may be considered official or reliable unless it is received directly from that institution's admission or financial aid office.*

Ivy institutions mail admission decision letters twice annually, in mid-December and mid-April. Those who wish a decision in December must apply by November 1 and complete their applications with supporting materials shortly thereafter. The application deadline for mid-April notification is January 15.

December Notification

Under December notification an applicant may be notified that he or she has been granted or denied admission or that a final decision has been deferred until the mid-April notification date. Two plans are offered:

A. The College Entrance Examination Board-approved Early Decision Plan, which is offered by Columbia College, Cornell University (College of Arts and Sciences and some other units of the University), Dartmouth College, and the University of Pennsylvania, requires a prior commitment to matriculate. Financial aid awards for those qualifying for financial assistance will normally be announced in full detail at the same time as the admission decisions. An applicant receiving admission and an adequate financial aid award under the Early Decision Plan will be required to accept that offer of admission and withdraw all applications to other colleges or universities. All the Ivy institutions will honor the required commitment to matriculate that every Early Decision applicant must make.

B. An Early Action Plan is offered by Brown University, Harvard University, Princeton University, and Yale University. This plan does not require a commitment to matriculate. Under the plan a student may file an Early Action application at only one of these institutions. Students may apply, however, to other colleges at any time under the regular admission program (spring notification of final admission decision). Those admitted candidates applying for financial aid and qualifying for financial assistance will not receive any information concerning financial aid awards until the mid-April common notification date.

Students are urged to consult the admission literature available at each Ivy institution for details concerning their particular December Notification Plan.

Early Evaluation Procedure

Beginning in January and continuing until March 1, some participating institutions may advise an applicant of his or her chance of admission (e.g., "Likely," "Unlikely," "Possible," or "Insufficient Information for an Early Evaluation"). As these are merely tentative assessments, it should be clearly understood that no commitments are involved on the part of either the institution or the applicant. Any Ivy institution may also send out copies of its early evaluation notices to guidance counselors and to others involved in admission-related activities, such as faculty, alumni, and coaches, *but no final information about the admission or financial aid status of an applicant may be released to anyone until the common notification date in mid-April.* One major exception to this rule is that any Ivy institution may announce formal denials of

admission to applicants at any time during the admission season.

April Notification

On a common date in mid-April, usually a Saturday, applicants to the Ivy institutions will be notified of admission decisions and financial aid awards.

Financial Aid

All the Ivy institutions follow the common policy that any financial aid will be awarded solely on the basis of demonstrated need. Moreover, in order to insure that financial awards to commonly admitted candidates are reasonably comparable, all of the Ivy institutions will continue to share financial aid information concerning admitted candidates in an annual "Ivy overlap" meeting just prior to the mid-April common notification date.

Common Reply Date

Except for those applicants admitted under the College Board-approved Early Decision Plan, which requires a prior commitment to matriculate, no candidate admitted to any of the Ivy institutions will be required to announce his or her decision to accept or decline an offer of admission until the common reply date of May 1. All such candidates may delay their commitments to attend until May 1 without prejudice.

Participating Institutions

Brown University
Columbia College
Cornell University (College of Arts and Sciences)
Dartmouth College
Harvard and Radcliffe Colleges
Massachusetts Institute of Technology
Princeton University
University of Pennsylvania
Yale University

Expenses

Expenses include tuition, basic living costs, and travel. Expenses are slightly higher for foreign students than for United States residents. An estimate of expenses for foreign students may be obtained from the International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853.

Students entering the Ithaca divisions of the University have other financial obligations that should be taken into account in their budget of expenses. Fees in the Medical College and the

Graduate School of Medical Sciences in New York City are listed in the Announcements of those divisions.

A nonrefundable fee of \$25 must be paid when an application for admission to any division is submitted. Those accepted for admission to an undergraduate school or college at the University who plan to enroll are required to pay a \$50 registration fee by the date specified on the registration fee coupons that accompany the letter of acceptance. This

Tuition, 1980-81

Agriculture and life sciences		Human ecology	
Resident*	\$2,470	Resident*	\$2,470
Nonresident	4,090	Nonresident	4,090
Architecture, art, and planning	5,930	Industrial and labor relations	
Arts and sciences	5,930	Resident*	2,470
Business and public administration		Nonresident	4,090
First year	6,200	Law	5,970
Second year	5,584	Medical†	7,500
Engineering	5,930	Medical sciences†	5,500
Graduate School		Veterinary medicine	
Major in endowed division	5,930	Resident*	4,250
Major in agriculture and life sciences, human ecology, or industrial and labor relations	2,808	Nonresident	6,000
Major in veterinary medicine	4,250	Summer session	110‡
Hotel administration	5,930	Extramural	145‡
		Unclassified	5,930

*A resident is a person whose domicile is in the state of New York at the time of registration for the term.

†In New York City.

‡Per credit.

fee is not applied to the tuition charges and is not refundable after the due date.

Excess hours tuition. Students in the state-supported divisions who want to take courses in the endowed divisions, beyond the credits allowed free under the rules of those state-supported divisions, may be allowed to do so if they pay for the additional credits at the rate of tuition in the college in which the course is given. Financial aid recipients can request additional loan or job assistance to cover this additional tuition.

Special fees. The following fees are imposed under certain conditions: late registration, \$10; makeup examination, \$10; late filing of study card, \$10; late change of program, \$10. See

Estimated Living Costs, 1980-81

Registration fee (new students)	\$ 50
Books and supplies	260*
Room and board	2,500†
Personal expenses	630
Total	\$3,390

Note: This table does not include travel costs.

*For undergraduate students in the College of Architecture, Art, and Planning and upperclass students in the Department of Design and Environmental Analysis, the cost of books and supplies is estimated to be \$150 higher.

†This estimate is for single students. Costs for married students may be higher. New students receiving financial aid who commute from their parents' home will have a room and board allowance of \$1,220.

Academic Information for other charges and penalties.

Payment of University bills. The Office of the Bursar mails statements at the beginning of each month to the home addresses of students who have amounts due the University.

Tuition and room charges are billed on a per-term basis approximately one month before the beginning of each term. Charges not billed on the first statement appear on a later statement.

All charges are payable in full within twenty days of the billing date. Any amounts remaining unpaid, in whole or in part, after the due date of the statement on which the charges first appeared are assessed a finance charge at the rate of 1 percent per month (12-percent annual interest rate).

Cornell offers an installment plan for payment of educational expenses through Academic Management Services. The cost of the service is \$35 a year. Further information about this plan will be mailed to parents of Cornell students.

An individual who has outstanding indebtedness to the University is not allowed to register or reregister in the University, receive a transcript of record, have academic credits certified, be granted a leave of absence, or receive a degree.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice.

Refunds. Part of the amount personally paid for tuition is refunded if a student obtains an official certificate of leave of absence or withdrawal at the office of the dean or director

of the academic division involved. Students who terminate their registration in the University during a regular term in this manner are charged tuition from the registration day to the effective date of the certificate as follows: first week, 10 percent; second week, 20 percent; third week, 30 percent; fourth week, 40 percent; fifth week, 60 percent; sixth week, 80 percent; seventh week, 100 percent. No charge is made if the effective date is within the first six days, including registration day.

The University makes available tuition insurance, which provides refunds in the event of leave of absence or withdrawal for medical or emotional reasons. Complete details about this coverage accompany the August tuition bill.

The \$30 application fee for University residence halls is nonrefundable except when lack of space prevents the offer of a room assignment. The \$100 security deposit is refundable, less damage charges, upon fulfillment of the contract.

Students participating in a prepaid dining plan who withdraw from the plan during a semester are eligible for a prorated refund based on the number of days the contract was in effect.

Students receiving financial aid from the University who withdraw during a term have their aid reevaluated and may be required to repay a portion of the aid received. Repayment to aid accounts depends on the type of aid received, government regulations, and the period of time in attendance. A partial semester generally counts as one of the eight semesters of financial aid eligibility normally allowed a student.

Financial Assistance

Cornell University offers a combination of gift (scholarship and grant) and self-help (loan and job) assistance. The financial aid package usually consists of a loan and job and, if need remains, a scholarship or grant.

Seventy percent of all Cornell undergraduates receive some form of financial aid from University, state, federal, or other sources. Over 50 percent receive Cornell-allocated scholarships, jobs, or loans. Financial aid ensures that students of all levels of financial capability can attend Cornell.

No student should hesitate to apply for admission because of financial circumstances. It is the University's goal to offer financial assistance to all freshman applicants accepted for admission to the extent of

calculated need (if they are citizens or permanent residents of the United States). Financial assistance is awarded on the basis of demonstrated financial need, using the standards of the College Scholarship Service. Details of Cornell's financial aid program are included in each application packet.

Most students finance their education through a combination of a contribution from parents, the student's own contribution from savings, assets, and earnings from summer and vacation employment, and, if need is demonstrated, financial assistance.

Transfer students may also apply for financial aid.

Financial aid resources for foreign students at Cornell are severely limited. Less than 10 percent of the entering foreign students receive financial assistance of any kind. Foreign students who receive financial aid are likely to be those with exceptional academic records, high test scores, strong potential for positive contributions to the Cornell community, and demonstrated financial need. Foreign applicants who want to apply for financial aid should request a foreign student financial aid application from the International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853.





Financial Need

The total amount of aid awarded is based on need determined by subtracting the total family contribution from the estimated cost of attendance. If the student is eligible for a scholarship, grant, or loan from a source other than Cornell University, the University subtracts the amount of this assistance from the estimated financial need and attempts to meet fully the remaining need. (For information on assistance after the first year see p. 85.)

The Office of Financial Aid uses the information provided in the financial aid form (FAF) to determine a fair contribution from each family. It takes into account the family's income and assets, the number of

dependents, educational and medical expenses, certain types of debt, and other factors. This office uses the federally required computation guidelines of the College Scholarship Service. Parents must submit notarized copies of their most recent federal income tax return to verify financial data reported on the FAF.

The University expects all students to help meet the cost of their education. A student's contribution includes earnings from summer and vacation employment, social security and veterans' benefits, and a portion of personal savings and assets.

Scholarships and Grants

Cornell-administered Awards

Many students are eligible to receive a scholarship or grant from the University as well as from various federal and state programs.

The University budgets over \$8 million for undergraduate scholarships. The student applies for financial aid in general; the University matches the student to the most appropriate University or outside scholarship source.

University scholarships. Those who still have a demonstrated financial need after allowances for outside awards and Cornell loan and job offers are awarded University scholarships.

COSEP scholarships. Cornell awards COSEP scholarships to students admitted to the COSEP program.

HEOP and EOP grants. Cornell awards these New York State grants to educationally disadvantaged students from low-income families who show promise of success, with counseling and other support, at Cornell. HEOP grants are for those enrolled in the private units of the University; EOP, for those in the state-supported units.

Supplemental Educational Opportunity Grants (SEOG). Cornell awards these federal grants to students demonstrating exceptional financial need who would be unable to attend without the grant. The grants range from \$200 to \$1,500 a year, up to \$4,000 for four years, or



\$5,000 for students in five-year programs. To continue receiving the grant, students must remain in good academic standing and must be making satisfactory progress.

Direct State and Federal Assistance

Basic Educational Opportunity Grants (BEOG).

These grants, ranging from \$200 to \$1,800, based on financial need, are awarded by the federal government. Cornell attempts to identify eligible students and includes an estimate of this award in the aid package. The student is responsible for obtaining a grant application from a high school guidance office, a library, or a college financial aid office and submitting it to the College Scholarship Service or directly to the BEOG program.

Regents College Scholarships and Tuition Assistance Program (TAP) awards.

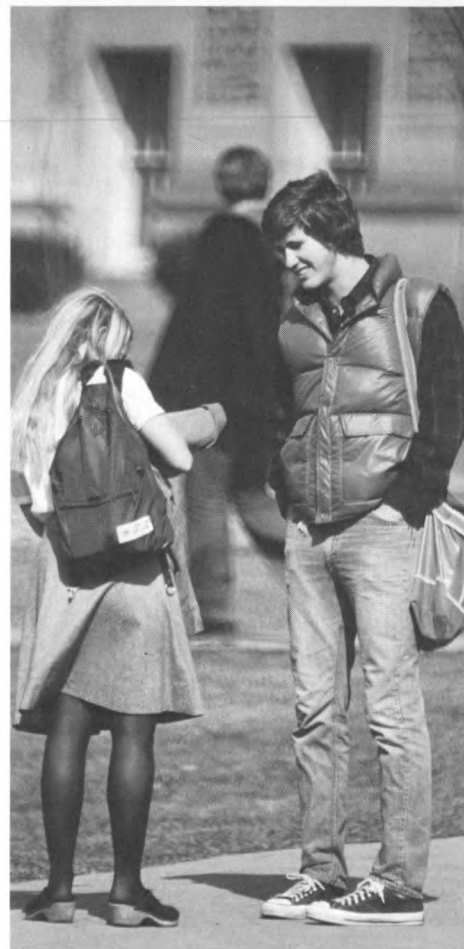
These awards for New York State residents range from \$200 to \$2,050 annually. Scholarships for children of deceased or disabled veterans are also available in amounts up to \$450 annually. Prospective students should obtain an application for this award from high school guidance counselors and submit it to the New York Higher Education Services Corporation, Student Financial Aid Section, Tower Building, Empire State Plaza, Albany, New York 12223.

Other state scholarship programs. Some states offer state scholarships for students attending institutions out of the state. These include (but are not necessarily limited to) Connecticut, Massachusetts, New Jersey, Pennsylvania, Rhode Island, and Vermont. Prospective students should consult their

secondary school guidance counselor, state scholarship program office, or Cornell's Office of Financial Aid for further information about their state's programs.

Other Benefits

Some students are eligible for benefits from other sources, including colleges and universities where parents are employed, the Social Security Administration, state offices of vocational rehabilitation, the Bureau of Indian Affairs, and the Native American Education Unit of the New York State Education Department. Inquiries should be directed to the agencies involved, high school guidance counselors, or Cornell's Office of Financial Aid.

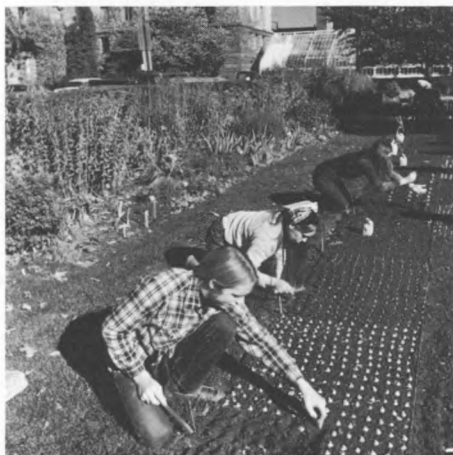




Employment

Many jobs, on and off campus, are available to Cornell students, regardless of financial need. Employment in moderation can be beneficial to a student's education and can often reduce or eliminate the necessity for borrowing to pay college expenses.

Cornell participates in the federally funded College Work Study Program. Jobs are available in most areas of University activity. Every effort is made to refer students to positions compatible with their interests and qualifications, although such opportunities are not always available. Pay rates range from \$3.10 to \$4.50 an hour, depending on the skills required and employment experience.



Students are paid once every two weeks for hours worked. Once students have earned the amount for which they are eligible, federal regulations require that they be terminated from the program. Continuing work-study or other University employment is not possible without clearance from the Office of Financial Aid.

Job opportunities are also available to those not participating in the work-study program. Information is available from the Office of Financial Aid or directly from employers. Federal regulations and University policies require students receiving financial assistance from Cornell to secure a clearance before accepting on- or off-campus jobs.

Loans

Several loan programs are available to help students meet their financial needs. Students are not required to accept a loan in order to receive other types of aid.

National Direct Student Loans (NDSL).

These University loans are offered to undergraduates in amounts totaling up to \$5,000 for four years and to graduate and professional students in amounts totaling up to \$10,000. They are for students who have great financial need. No interest is charged while the student maintains at least half-time status; interest of 3 percent is charged beginning nine months after he or she leaves school. The student has up to ten years after leaving school to repay the loan. Deferment of repayment is allowed for graduate work and

for military, Peace Corps, and VISTA service. Up to 100 percent of the loan to a student who becomes a special education teacher or a teacher in an economically and culturally deprived area may be canceled.

State loans. Twenty-seven states currently have loan programs for students attending institutions in or out of the home state. Loans made under the state loan program normally carry an interest rate of 7 percent. If the student does not borrow more than the amount recommended by the University, the federal government will pay the interest until nine months after graduation or the termination of at least half-time study. At that time repayment of both interest and principal will begin. Deferment of repayment may be permitted for graduate work and military, Peace Corps, and VISTA service.

Undergraduates may borrow up to \$2,500 a year to a maximum of \$7,500. Graduate students may borrow up to \$5,000 a year to a maximum of \$15,000 including loans during undergraduate years.

Application for Financial Aid

A Cornell application for financial aid is included with each application for admission. It must be completed by each applicant who wants to be considered for financial assistance. It is also necessary to submit an FAF, obtainable from secondary school guidance offices or Cornell's Office of Financial Aid. Applicants for admission in the fall semester should send the completed FAF

to the College Scholarship Service, Princeton, New Jersey 08540, by January 15. Later submission will jeopardize the possibility of being awarded assistance. Those applying for admission in the spring semester or for early decision who want to be considered for financial assistance should consult the application for admission for information on deadlines for submitting the FAF and the Cornell financial aid application.

Renewal in Subsequent Years

The financial aid package is for one year only but may be renewed upon application. Applications for renewal are available in the Office of Financial Aid in December of each year. Aid is normally continued as long as financial need continues and the student remains in good standing (is eligible to continue at Cornell) and maintains normal progress toward a degree. Students normally receive aid for a maximum of eight undergraduate semesters (ten for students in the Department of Architecture), including semesters spent at institutions other than Cornell. Students may request aid for semesters beyond the normal number. However, the amount of scholarship assistance is normally reduced.

Amounts of assistance are based on an annual review of the student's level of need and changes in regulations governing the awards. Self-help levels may be increased if funds are not available for gift assistance to meet increases in tuition and other expenses.

Since requirements for good standing vary among the units at the University, students should consult the registrars of their divisions for information about remaining in good standing.

Further Information

More-detailed information, required by state and federal regulations, is available in the *Announcement of Academic Information*, a reference book for enrolled students, and from the Office of the Dean of Students, Cornell University, 103 Barnes Hall, Ithaca, New York 14853, and the Information and Referral Center on the first floor of Day Hall.

Orientation sessions. All incoming recipients of aid and their parents are encouraged to attend the financial aid orientation sessions included in the Cornell orientation program. The orientation schedule includes dates and times of these sessions.

Financial counseling services. The University has a staff of financial aid advisers to answer questions about financing an education at Cornell. Students or parents who have questions about a financial aid package or who need assistance in budgeting should contact the Office of Financial Aid.

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